

CBNSF  
8.7.4.1.2 VI

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June 23, 1989

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STEVEN S. ANDERSON  
PARTNER

RECEIVED

JUN 27 1989

SUPERFUND BRANCH

Mr. Michael Stoner  
Environmental Protection Agency  
Region 10  
Superfund Branch  
1200 Sixth Avenue  
HW-113  
Seattle, WA 98101

Re: Champion International Response to EPA Section 104  
Request for Commencement Bay Nearshore/Tideflats  
Superfund Site

Dear Mr. Stoner:

This is in response to EPA's request for information to Champion International dated April 24, 1989 with respect to the Commencement Bay Superfund Site. As you will recall, you agreed in your discussions with Mike Thorp of my office that Champion could have until July 1, 1989 to respond. You and I spoke further with respect to Champion's response on June 19. I explained that not all of the information needed to respond to the 19 questions posed by EPA was in Champion's hands due to the transfer to the Tacoma Kraft Mill to Simpson in 1985. The other former Champion properties have also been sold and are now all in Simpson's ownership to the best of Champion's knowledge. We are attempting to coordinate our response to that of Simpson, which is working independently on their Section 104 response. Due to the voluminous amount of documentary material involved, and because much of the material is not in Champion's possession, this response will defer to Simpson with respect to certain questions, particularly concerning site history, technical issues and concerning the remediation which has been performed pursuant to the Consent Decree dated December 24, 1987 entered with the Washington State Department of Ecology.

USEPA SF



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In addition, because of the volume of material, Champion will respond in part by identifying the type of information that is available rather than by a narrative response. Your letter indicates that that is appropriate. As you acknowledged in our telephone conversation, EPA's Section 104 request is generic in nature and was obviously designed to be submitted to various PRPs who have had no substantial contact with EPA or DOE concerning the Commencement Bay Superfund Site. Champion and Simpson are clearly in a different category because a Consent Decree for the necessary remediation has already been negotiated and implemented, and identified by DOE as the as the proposed cleanup alternative for the St. Paul Waterway. Many of EPA's questions, particularly those concerning past practices, appear to be of marginal relevance at this juncture.

Given these factors, a number of question will be answered by describing documents available with the understanding that this Response may be supplemented at a later time if that becomes necessary. You indicated that you understood these problems and would be satisfied with a somewhat abbreviated response by July 1, with the understanding that supplementation may be necessary at a later time if EPA needs further information after it reviewed the additional information to be provided by Simpson. You also indicated that you did not wish to be supplied with all of the documents themselves at this juncture, particularly those concerning site history and past practices.

With that understanding, Champion responds to EPA's questions as follows:

1. Champion International Corporation's current business address is One Champion Plaza, Stamford, Connecticut 06921. Our current address for the Tacoma Kraft Mill, which is now owned by Simpson Tacoma Kraft Company, is 801 Portland Avenue, Tacoma, Washington 98421.

Champion formerly owned the Tacoma Kraft Mill, the saw mill, the distribution yard and the stud mill, all of which have now been transferred to Simpson. Attached to this response are legal descriptions of each of the four parcels.

Pulp and paper operations began at the site in 1927 under the ownership of the Union Bay Company. In 1930, the facility was acquired by the St. Regis Kraft Company, a subsidiary of St. Regis Paper Company, which operated the plant until 1985. The mill was acquired by merger between St. Regis and Champion

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International in January 1985 and was transferred to Simpson in August 1985. Champion's Records Retention Manager has been unable to locate the original acquisition file for the kraft mill. The Tacoma saw mill was purchased by St. Regis on August 1, 1957 according to Champion's records, acquired by Champion through the merger, and sold by Champion to Simpson on December 14, 1987. According to our records, Champion no longer owns property in the Commencement Bay Superfund site.

As to the history of St. Regis/Champion, St. Regis was incorporated in the State of New York in 1889 under the name St. Regis Paper Company. It changed its name to St. Regis Corporation in 1983 and was merged into Champion International Corporation on January 31, 1985.

The 1985 acquisition agreement and subsequent purchase agreements are in Simpson's possession and arrangements can be made for inspection by EPA if that is necessary. Alternatively, EPA could be supplied by Simpson with a legal description of the properties it now owns which were transferred to it by Champion.

2. Attached to this response is a photocopy of excerpts from a Champion fact sheet and from the Champion Annual Report setting forth details concerning the history of Champion International Corporation, its subsidiaries, its officers and directors and other information. If EPA needs additional information regarding Champion's corporate structure, please advise and I will be happy to supplement this response.

3. As described above, I have attached legal descriptions of the former Champion properties. We have not yet had an opportunity to cross-check these legal descriptions with Simpson.

The only parcel EPA refers to in its letter to Champion is a leased parcel owned by Simpson. To the best of our knowledge, that property was leased on an interim basis while the transfers described above were consummated and used as office space for residual Champion operations. I will ask Simpson to check on the current status of the lease.

4. Attached hereto is a schedule listing leases with respect to the Tacoma mill.

5. St. Regis operated the Tacoma mill as a softwood kraft and paper mill until 1985. The facility produced unbleached

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kraft linerboard, unbleached kraft paper, bleached paper and bleached market pulp. Also operated on the property were a stud mill, a mill that produced doors and other products and a distribution yard. Since Champion only owned the mill for about seven months, and since many of the former St. Regis employees stayed at the mill and are now employed by Simpson, Champion believes that Simpson is in a better position to supply other necessary details.

6-15. Rather than provide a narrative answer to these questions, Champion refers EPA to the numerous documents that have been collected in connection with the remediation that is being implemented through the 1987 Consent Decree negotiated between Simpson and DOE. Simpson has indicated that it will be willing to produce such documents although it believes that most or all of them are already in EPA files. Champion has copies of some but not all of these technical documents. For EPA's reference, a copy of Champion's notebook with respect to the Consent Decree is attached. It contains site history information, maps, the transcript of a hearing concerning the remedial alternative selected, as well as a summary of the administrative record.

In addition, I enclose two indexes of St. Regis and Champion documents. The first, labelled St. Regis Document Production, was prepared by Mike Thorp of this office in 1982 in connection with a document production in a piece of litigation involving St. Regis. Champion does not know if these documents are still in Simpson's possession. These documents have not been reviewed by counsel for privilege, and Champion would object to EPA's examination of them until it has had an opportunity to do so. Presumably they contain attorney/client correspondence and other privileged material. If EPA desires to review them, please give us advance notice so that we may have an opportunity to pull any such privileged materials.

The second index was provided to me by Champion's legal office in Connecticut. These files, constituting 9 boxes of documents, have not been reviewed for privileged materials. A copy of the index is provided so that EPA can determine if it will be necessary to review them. If so please contact our office in advance to make the necessary arrangements. Both sets of files may also have confidential business information that is protected from disclosure. We will defer reviewing these

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documents for that purpose until EPA indicates whether it needs to review them but reserve the right to assert that confidential materials protected from public disclosure and privileged materials are included.

16. St. Regis was insured by Traveller's from 1935 to 1974 and by Wausau from 1974 to the present. The policy limits from 1968 to 1974 were \$500,00/\$1,000,000 per occurrence. The policy information from 1935 to 1965 is not immediately available and Champion will supplement this response if additional information is located. The limits on the Wausau policy between 1974 and 1979 is unknown at present, but the limit was \$2,000,000 from 1979 through 1985 when the property was transferred to Simpson. Champion is looking for excess policies and for the Champion policy in effect during the seven month period it owned the mill and will supplement this answer.

17-18. See indexes described above. Champion requests that EPA verify if additional information is needed after it reviews the information provided by Simpson.

19. Champion believes that the person with the most information about the operation of the mill and other property before the 1985 transfer is Carlos Henry who was the former environmental manager at the mill. Mr. Carlos' telephone number is 572-2150 and he is still employed by Simpson at the mill. Other former St. Regis/Champion employees are still employed by Simpson and Simpson is in a better position to provide those names if needed. Other persons with substantial knowledge concerning the remediation are Jerry Ficklin, Simpson's manager of environmental services and Don Weitkamp of Parametrix, the technical consultant with respect to the site investigation and remedial design.

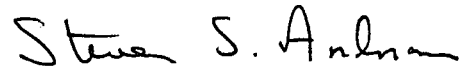
If EPA needs additional information after reviewing this response and Simpson's, please contact me and I will try to obtain it as expeditiously as I can. As we discussed, Champion wants to continue to cooperate with the Agency concerning the Superfund remediation. By copy of this letter, I am advising Simpson's attorneys of the information Champion has been able to

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provide from its files, and of our understanding that Simpson will provide additional information.

Very truly yours,

HELLER, EHRMAN, WHITE & MCAULIFFE



Steven S. Anderson

SSA:tmb  
Enclosures  
cc: (w/enclosures)  
Mr. James Carraway  
Ms. Melinda Kemp  
Mr. Ken Weiner  
Mr. Ross Macfarlane  
Mr. Ted Reeve

## EXHIBIT "A"

LEGAL DESCRIPTION:

## STUD MILL

## PARCEL A (STUD MILL):

BEGINNING AT THE SOUTHEASTERLY CORNER OF BLOCK 36 AS SHOWN UPON THE SUPPLEMENTARY SHEETS OF THE 1927 REPLAT OF A PORTION OF TACOMA TIDELEANDS, FILED IN THE OFFICE OF THE AUDITOR OF PIERCE COUNTY, WASHINGTON AND RECORDED IN VOLUME 1 OF TACOMA TIDELAND PLATS UNDER AUDITORS FEE NUMBER 681432;  
THENCE NORTH  $32^{\circ}02'51''$  WEST, ALONG THE SOUTHWESTERLY LINE OF PORTLAND AVENUE (CANAL STREET), 1197.03 FEET TO A POINT 311.71 FEET SOUTHEAST OF THE NORTHEASTERLY CORNER OF BLOCK 35 OF SAID REPLAT;  
THENCE NORTH  $64^{\circ}40'15''$  WEST, 429.20 FEET;  
THENCE WESTERLY AND NORTHERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 69 FEET, AND A DELTA OF  $68^{\circ}18'53''$ , A DISTANCE OF 82.27 FEET TO A POINT OF REVERSE CURVE;  
THENCE NORTHERLY AND WESTERLY ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 33.56 FEET AND A DELTA OF  $90^{\circ}$ , A DISTANCE OF 52.72 FEET;  
THENCE SOUTH  $25^{\circ}19'45''$  WEST, 126.69 FEET;  
THENCE WESTERLY AND NORTHERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 54 FEET AND A DELTA OF  $90^{\circ}$ , A DISTANCE OF 84.82 FEET;  
THENCE NORTH  $64^{\circ}40'15''$  WEST, 86.62 FEET;  
THENCE SOUTH  $25^{\circ}19'45''$  WEST, 22.50 FEET;  
THENCE WESTERLY AND NORTHERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 130.83 FEET AND A DELTA OF  $115^{\circ}50'22''$ , A DISTANCE OF 264.50 FEET;  
THENCE NORTH  $41^{\circ}06'15''$  WEST, 55.89 FEET;  
THENCE SOUTH  $49^{\circ}26'04''$  WEST, 376.50 FEET;  
THENCE SOUTH  $27^{\circ}34'20''$  EAST, 239.87 FEET;  
THENCE NORTH  $65^{\circ}38'40''$  EAST, 295.40 FEET;  
THENCE NORTH  $76^{\circ}31'22''$  EAST, 199.62 FEET;  
THENCE SOUTH  $53^{\circ}38'30''$  EAST, 516.11 FEET;  
THENCE SOUTH  $36^{\circ}21'30''$  WEST, 302.11 FEET;  
THENCE NORTH  $53^{\circ}38'30''$  WEST, 135.68 FEET;  
THENCE SOUTH  $39^{\circ}53'34''$  WEST, 63.55 FEET;  
THENCE NORTH  $26^{\circ}54'22''$  WEST, 165.79 FEET;  
THENCE SOUTH  $44^{\circ}28'08''$  WEST, 90.21 FEET;  
THENCE SOUTH  $27^{\circ}38'36''$  EAST, 315.54 FEET;  
THENCE NORTH  $61^{\circ}55'15''$  EAST, 37.16 FEET;  
THENCE SOUTH  $27^{\circ}29'14''$  EAST, 776.14 FEET;  
THENCE SOUTH  $32^{\circ}10'18''$  EAST, 79.33 FEET TO THE NORTHWESTERLY MARGIN OF EAST 11TH STREET (FORMERLY SOUTH 11TH STREET);  
THENCE NORTH  $49^{\circ}41'30''$  EAST ALONG SAID NORTHWESTERLY MARGIN, 1047.78 FEET TO THE POINT OF BEGINNING.

EXHIBIT "A" CONT.

LEGAL DESCRIPTION:

PARCEL B (TRACT G):

BEGINNING AT THE SOUTHEASTERLY CORNER OF BLOCK 36 AS SHOWN UPON THE SUPPLEMENTARY SHEETS OF THE 1927 REPLAT OF A PORTION OF TACOMA TIDELANDS, FILED IN THE OFFICE OF THE AUDITOR OF PIERCE COUNTY, WASHINGTON AND RECORDED IN VOLUME 1 OF TACOMA TIDELAND PLATS UNDER AUDITORS FEE NUMBER 681432;

THENCE SOUTH  $49^{\circ}41'30''$  WEST ALONG THE NORTHWESTERLY MARGIN OF EAST 11TH STREET (FORMERLY SOUTH 11TH STREET), 1047.78 FEET;

THENCE NORTH  $32^{\circ}10'18''$  WEST, 79.33 FEET;

THENCE NORTH  $27^{\circ}29'14''$  WEST, 776.14 FEET;

THENCE SOUTH  $61^{\circ}55'15''$  WEST, 37.16 FEET;

THENCE NORTH  $27^{\circ}38'36''$  WEST, 315.54 FEET;

THENCE NORTH  $44^{\circ}28'08''$  EAST, 90.21 FEET;

THENCE SOUTH  $26^{\circ}54'22''$  EAST, 165.79 FEET;

THENCE NORTH  $39^{\circ}53'34''$  EAST, 63.55 FEET;

THENCE SOUTH  $53^{\circ}38'30''$  EAST, 135.68 FEET;

THENCE NORTH  $36^{\circ}21'30''$  EAST, 302.11 FEET;

THENCE NORTH  $53^{\circ}38'30''$  WEST, 516.11 FEET;

THENCE SOUTH  $76^{\circ}31'22''$  WEST, 199.62 FEET;

THENCE SOUTH  $65^{\circ}38'40''$  WEST, 295.40 FEET;

THENCE NORTH  $27^{\circ}34'20''$  WEST, 239.87 FEET TO THE TRUE POINT OF BEGINNING;

THENCE NORTH  $49^{\circ}26'04''$  EAST, 376.50 FEET;

THENCE NORTH  $41^{\circ}06'15''$  WEST, 938.94 FEET;

THENCE NORTH  $23^{\circ}23'25''$  WEST, 768.21 FEET TO THE INNER HARBOR LINE OF SAID 1927

REPLAT:

THENCE SOUTH  $36^{\circ}34'34''$  WEST, ALONG SAID INNER HARBOR LINE, 225.77 FEET;

THENCE SOUTH  $27^{\circ}34'19''$  EAST, 1665.25 FEET TO THE TRUE POINT OF BEGINNING.



EXHIBIT "A" CONT.

LEGAL DESCRIPTION:

PARCEL C (WEIGH AND SCALING STATION):

THAT PORTION OF THE NORTHWEST QUARTER OF SECTION 3 AND THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 20 NORTH, RANGE 3 EAST, W.M., DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTERLINES OF PORTLAND AVENUE AND ST. PAUL AVENUE;

THENCE NORTH  $45^{\circ}24'43''$  WEST FOR A DISTANCE OF 264.95 FEET ALONG THE CENTERLINE OF SAID PORTLAND AVENUE;

THENCE SOUTH  $44^{\circ}35'17''$  WEST A DISTANCE OF 40.00 FEET TO THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF SAID PORTLAND AVENUE AND TRUE POINT OF BEGINNING;

THENCE NORTH  $45^{\circ}24'43''$  WEST FOR A DISTANCE OF 424.45 FEET ALONG SAID RIGHT-OF-WAY LINE;

THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 918.18 FEET AND A CENTRAL ANGLE OF  $27^{\circ}10'09''$  FOR AN ARC DISTANCE OF 435.39 FEET ALONG SAID RIGHT-OF-WAY LINE;

THENCE NORTH  $73^{\circ}10'17''$  EAST FOR A DISTANCE OF 10.00 FEET ALONG SAID RIGHT-OF-WAY LINE;

THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 908.18 FEET AND A CENTRAL ANGLE OF  $3^{\circ}23'17''$  FOR AN ARC DISTANCE OF 53.70 FEET ALONG SAID RIGHT-OF-WAY;

THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 10.00 FEET AND A CENTRAL ANGLE OF  $75^{\circ}37'43''$  FOR AN ARC DISTANCE OF 13.20 FEET;

THENCE NORTH  $75^{\circ}34'45''$  WEST A DISTANCE OF 103.42 FEET;

THENCE SOUTH  $37^{\circ}08'56''$  WEST A DISTANCE OF 27.84 FEET;

THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 110.00 FEET AND A CENTRAL ANGLE OF  $22^{\circ}27'16''$  FOR AN ARC DISTANCE OF 43.11 FEET; THENCE SOUTH  $30^{\circ}23'48''$  EAST FOR A DISTANCE OF 24.61 FEET;

THENCE SOUTH  $23^{\circ}04'10''$  EAST A DISTANCE OF 97.77 FEET;

THENCE SOUTH  $30^{\circ}49'43''$  EAST A DISTANCE OF 37.84 FEET;

THENCE SOUTH  $36^{\circ}39'54''$  EAST A DISTANCE OF 217.66 FEET;

THENCE SOUTH  $28^{\circ}40'49''$  EAST A DISTANCE OF 35.78 FEET;

THENCE ALONG A CURVE TO RIGHT HAVING A RADIUS OF 75.00 FEET AND A CENTRAL ANGLE OF  $90^{\circ}34'17''$  FOR AN ARC DISTANCE OF 118.56 FEET;

THENCE SOUTH  $61^{\circ}53'28''$  WEST A DISTANCE OF 86.49 FEET TO NORTHERLY RIGHT-OF-WAY LINE OF ST. PAUL AVENUE;

THENCE SOUTH  $67^{\circ}29'39''$  EAST A DISTANCE OF 554.19 FEET ALONG SAID RIGHT-OF-WAY LINE;

THENCE NORTH  $33^{\circ}32'40''$  EAST A DISTANCE OF 22.99 FEET TO THE TRUE POINT OF BEGINNING.

SCHEDULE D

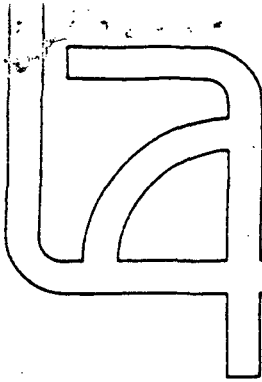
## PARCEL A:

A fee simple interest in the following described property:

All that portion of Blocks 22, 27, 35 and all of Blocks 23, 24 and 25, TACOMA TIDELANDS, as shown on Amended Supplemental Sheets 4 and 5 of 1927 Replat, filed with the Commissioner of Public Lands on November 30, 1927, in Pierce County, Washington, more particularly described as follows:

Beginning at the Northeasterly corner of Block 22 and Southeasterly corner of Block 23; thence South  $32^{\circ}02'51''$  East along the Northeasterly line of said Block 22, 389.375 feet; thence South  $57^{\circ}57'09''$  West parallel with the Northwesternly line of said Block 22, 250 feet to the Northeasterly line of Portland Avenue, (Canal Street); thence North  $32^{\circ}02'51''$  West along said Northeasterly line of said Avenue, 389.375 feet to the Northwesternly corner of said Block 22; thence South  $57^{\circ}57'09''$  West along the Northwesternly line of said Block 22 extended 100 feet to the Southwesterly line of said Avenue; thence South  $32^{\circ}02'51''$  East along said Southwesterly line of Portland Avenue (Canal Street) 346.25 feet to a point 34.54 feet Northwesternly of the Northeasterly corner of Block 35 of said Replat; thence North  $64^{\circ}40'15''$  West, 429.20 feet; thence Westerly and Northerly along a curve to the right having a radius of 69 feet and a delta of  $68^{\circ}18'43''$ , a distance of 82.27 feet to a point of reverse curve; thence Northerly and Westerly along a curve to the left having a radius of 33.56 feet and a delta of  $90^{\circ}$ , a distance of 52.72 feet; thence South  $25^{\circ}19'45''$  West, 126.69 feet; thence Westerly and Northerly along a curve to the right having a radius of 54 feet and a delta of  $90^{\circ}$ , a distance of 84.82 feet; thence North  $64^{\circ}40'15''$  West, 86.62 feet; thence South  $25^{\circ}19'45''$  West, 22.50 feet; thence Westerly and Northerly along a curve to the right having a radius of 130.3 feet and a delta of  $115^{\circ}50'20''$ , a distance of 264.51 feet; thence North  $41^{\circ}06'15''$  West, 994.83 feet; thence North  $23^{\circ}23'25''$  West, 768.21 feet to the Inner Harbor line; thence North  $36^{\circ}34'34''$  East along the Inner Harbor line, 1099.305 feet; thence North  $69^{\circ}39'58''$  East, 166.886 feet to the most Northerly corner of Block 24 of said Replat; thence South  $32^{\circ}02'51''$  East, 2268.41 feet along the Northeasterly line of Blocks 23 and 24 of said Replat to the Southeasterly corner of said Block 23 and Northeasterly corner of said Block 22, being the point of beginning.

Situate in the County of Pierce, State of Washington.



**LARSON**  
**AND ASSOCIATES**  
*Professional Land Surveyors*

4401 South 66<sup>th</sup> Street  
Tacoma, Washington 98409  
(206) 474-3404

NEW HARBOR AREA LEASE DESCRIPTION-KRAFT MILL

THAT PORTION OF THE HARBOR AREA AND BED OF COMMENCEMENT BAY IN FRONT OF BLOCKS 24, 25, 26 AND A PORTION OF BLOCK 27, 1927 REPLAT, PLATE 4, TACOMA TIDELANDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE MOST NORTHERLY CORNER OF SAID BLOCK 24; THENCE SOUTH 69°39'58" WEST ALONG THE NORTHWESTERLY LINE OF SAID BLOCK 24, A DISTANCE OF 166.89 FEET; THENCE SOUTH 36°34'34" WEST, ALONG THE NORTHWESTERLY LINE OF BLOCKS 24, 25, 26 AND A PORTION OF BLOCK 27 OF SAID REPLAT, 1099.31 FEET; THENCE NORTH 23°23'25" WEST, 693.06 FEET TO THE OUTER HARBOR LINE; THENCE NORTH 36°34'34" EAST, ALONG THE OUTER HARBOR LINE, 930.67 FEET; THENCE NORTH 69°39'58" EAST, ALONG SAID OUTER HARBOR LINE, 166.89 FEET TO THE EASTERLY LINE OF BLOCK 24 SAID REPLAT EXTENDED; THENCE SOUTH 32°02'51" EAST, ALONG SAID EXTENDED LINE, 612.76 FEET TO THE TRUE POINT OF BEGINNING.

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STATION 0 TRAIL 2



# LARSON

  
 AND ASSOCIATES  
*Professional Land Surveyors*

4401 South 66<sup>th</sup> Street  
 Tacoma, Washington 98409  
 (206) 474-3404

DISTRIBUTION YARD

DECEMBER 17, 1985

## DESCRIPTION OF TRACT "A"

BEGINNING AT THE SOUTHEASTERLY CORNER OF BLOCK 36 AS SHOWN UPON THE SUPPLEMENTARY SHEETS OF THE 1927 REPLAT OF A PORTION OF TACOMA TIDELANDS, FILED IN THE OFFICE OF THE AUDITOR OF PIERCE COUNTY, WASHINGTON AND RECORDED IN VOLUME 1 OF TACOMA TIDELAND PLATS UNDER AUDITORS FEE NUMBER 681432; THENCE SOUTH 49°41'30" WEST ALONG THE NORTHWESTERLY MARGIN OF EAST 11TH STREET (FORMERLY SOUTH 11TH STREET), 1047.78 FEET; THENCE NORTH 32°10'18" WEST, 79.33 FEET; THENCE NORTH 27°29'14" WEST, 776.14 FEET; THENCE SOUTH 61°55'15" WEST, 37.16 FEET; THENCE NORTH 27°38'36" WEST, 315.54 FEET; THENCE NORTH 44°28'08" EAST, 90.21 FEET; THENCE SOUTH 26°54'22" EAST, 165.79 FEET; THENCE NORTH 39°53'34" EAST, 63.55 FEET; THENCE SOUTH 53°38'30" EAST, 135.68 FEET; THENCE NORTH 36°21'30" EAST, 302.11 FEET; THENCE NORTH 53°38'30" WEST, 516.11 FEET; THENCE SOUTH 76°31'22" WEST, 199.62 FEET; THENCE SOUTH 65°38'40" WEST, 295.40 FEET TO THE TRUE POINT OF BEGINNING; THENCE NORTH 27°34'20" WEST, 1905.12 FEET TO THE INNER HARBOR LINE OF SAID 1927 REPLAT; THENCE SOUTH 36°34'34" WEST, ALONG SAID INNER HARBOR LINE, 323.35 FEET TO THE SOUTHWESTERLY CORNER OF BLOCK 28-B OF SAID 1927 REPLAT; THENCE SOUTH 22°24'32" EAST ALONG THE SOUTHWESTERLY LINE OF SAID BLOCK 28-B, 29.12 FEET TO THE CORNER COMMON TO BLOCKS 28-A AND 28-B; THENCE SOUTH 67°35'28" WEST ALONG THE WESTERLY LINE OF SAID BLOCK 28-A, 40.00 FEET TO THE SOUTHWESTERLY CORNER THEREOF; THENCE SOUTH 22°24'32" EAST ALONG THE SOUTHERLY LINE OF SAID BLOCK 28-A, 53.27 FEET; THENCE NORTH 36°34'34" EAST, PARALLEL WITH SAID INNER HARBOR LINE, 177.85 FEET; THENCE SOUTH 27°31'57" EAST, 1140.06 FEET; THENCE SOUTH 22°26'30" EAST, 748.89 FEET; THENCE NORTH 16°32'32" EAST, 113.79 FEET; THENCE NORTH 26°47'36" WEST, 50.37 FEET; THENCE NORTH 65°38'40" EAST, 166.33 FEET TO THE TRUE POINT OF BEGINNING.

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EXHIBIT A-1

1. PARCEL # 895000-004-0 located in the Southwest quarter of Section 34, Township 21 North, Range 3 East of the W.M., Pierce County, Washington, more particularly described as follows:

Block 3 of Tacoma Tidelands Addition, including that part of Milwaukee Way vacated, Commercial St. vacated and Market Pl. vacated. Operating Property. EXCEPTING THEREFROM that port of the Northerly one half of vacated Commercial St. lying Southerly of the folliwng described line: Beginning at the most Easterly corner of Block 2, Tacoma Tidelands Addition, thence Northwesterly at right angles to Ross Ave to the center line of vacated Commercial St. and the Point of Beginning of line described; thence continue northwesterly to the Northerly line of Commercial St.; thence Southwesterly to the Northeast corner of Block 8, Commencement Bay Addition vacated and end of line described.

2. PARCEL # 895000-040-3 located in the Northwest quarter of Section 3, Township 20 North, Range 3 East of the W.M., in Pierce County, Washington, more particularly described as follows:

Beginning at a point 235.80 feet Southerly of the most Easterly corner of Block 20A, Tacoma Tidelands Addition; thence North 81° 33' West 237.50 feet more or less to the Easterly line of Canal Street; thence Southerly along said Easterly line 530 feet; thence South 81° 30' East 247.50 feet to intersect the Westerly line of Old Puyallup Waterway; thence Northeasterly on said Westerly line to beginning; EXCEPT that portion in Puyallup River Flood Control.

3. PARCEL # 895000-044-0 located in the Southwest quarter of Section 34, Township 21 North, Range 3 East of the W.M., in Pierce County, Washington, more particularly described as follows:

Block 21 of Tacoma Tidelands Addition, containing 3.362 acres, including .94 acres of Canal St. vacated, and all that part of Block 21 lying Westerly of the Puyallup River Flood Control Project of 1948. Item 2.

**EXHIBIT A**



U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 10  
1200 SIXTH AVENUE  
SEATTLE, WASHINGTON 98101

APR 24 1989

REPLY TO  
ATTN OF:

HW-113

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Champion International  
One Champion Plaza  
Stamford, CT 06921

Re: Commencement Bay Nearshore/Tideflats Superfund Site

Dear Sir or Madam:

The United States Environmental Protection Agency (EPA) has documented the release or threatened release of hazardous substances at the Commencement Bay-Nearshore/Tideflats Superfund site (herein referred to as the CB/NT site). In 1983, the site was listed on the National Priorities List pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. § 9601 et seq. (herein referenced as CERCLA or Superfund).

Under CERCLA, any cost incurred by the government in responding to a release or threatened release of hazardous substances at the site, including the investigations, planning, studies, and cleanup, is the liability of the responsible parties. EPA has recently completed a preliminary search for potentially responsible parties at the CB/NT site in order to notify them of their potential liability for costs related to past and future response actions at the site.

The purpose of this general notice letter is to formally notify you that EPA has determined that Champion International is a potentially responsible party at the CB/NT site. It is also intended to apprise you of the EPA's progress in addressing the contamination at the CB/NT site and to request information from you to aid in the EPA's Superfund investigations, continued response actions, and assessments of liability at the site.

A complete list of the recipients of this general notice letter is attached (Attachment 1). We have also enclosed a CB/NT general information package which has been distributed to all businesses in the Commencement Bay area. This should assist you in understanding the CB/NT site, the currently proposed cleanup plan for the site, and the Superfund process in general.

Through a cooperative agreement with EPA, the Washington Department of Ecology (Ecology) has been the lead agency for the Superfund investigations at the site to date. A fact sheet summary of Ecology's Superfund investigation and study reports, as well as the proposed cleanup plan for the CB/NT

CB/NT  
8.7.4.1.1-001

site, are available from Ecology as indicated in the enclosed information package. These fact sheets were previously mailed to most businesses and properties in the Commencement Bay area for informational purposes. Copies of all CB/NT fact sheets and reports, as well as the complete CB/NT site file documents, are available at several EPA and Ecology repositories throughout the Puget Sound area (listed in the enclosed informational package).

#### EPA Authority and CERCLA Liability

Section 104 of CERCLA authorizes EPA to remove or arrange for the removal of hazardous substances and to provide for remedial action related to the cleanup of those substances, whenever any hazardous substance is released or there is a substantial threat of such a release into the environment. EPA may also undertake such investigations, monitoring, surveys, testing, and other information gathering as it deems necessary to identify the existence and extent of the release or threat thereof, the source and nature of the hazardous substances involved, and the extent of danger to the public health or welfare or to the environment.

EPA has expended and is currently spending public funds to perform CERCLA response and investigatory activities to mitigate and/or prevent the release or threat of release of hazardous substances at the CB/NT site. An extensive Superfund investigation and study, known as a Remedial Investigation and Feasibility Study (RI/FS), has been conducted that recommends a comprehensive cleanup program for the CB/NT site including both sediment remediation and control of sources of contamination into bay. EPA will make a final selection of remedy for the site in a Record of Decision (ROD) following a period of public comment. The public comment period for the RI/FS began on February 24, 1989, and extends to June 24, 1989.

The enclosed information package describes nine separate CB/NT problem areas. Under the currently proposed plan, EPA would begin implementing sediment remedial actions in each problem area on a phased basis, following the issuance of a ROD later this year.

As the attached list indicates, EPA has notified separate groups of potentially responsible parties for each of the nine CB/NT problem areas. As further information is developed, EPA will make a final determination, identifying responsible parties for each problem area. Negotiations with potentially responsible parties and actual implementation of the response actions for each problem area would proceed on a phased basis over a several year period. EPA may also conduct further investigations and implement any necessary Superfund response actions within the CB/NT site, unless it is determined that those actions will be promptly and properly conducted by a responsible party.

Responsible parties under CERCLA include the current and past owners and operators of the site, persons who currently lease property at the site or who have leased property at the site in the past, and persons who generated hazardous substances or who were involved in the transport, treatment, or disposal of such substances at the site. See 42 U.S.C. §

9607(a)(1)-(4). Pursuant to Section 107(a) of CERCLA, 42 U.S.C. § 9607(a), responsible parties may be liable for all monies including interest thereon expended by the government to take any necessary response actions at the site including investigatory activities, planning, oversight, and cleanup of the site. Liability under Section 107 of Superfund is strict, joint, and several for all responsible parties.

#### Request For Information

In addition to notifying you of your potential liability relating to the CB/NT site, EPA is seeking to obtain certain information from you relevant to the treatment, disposal, or transportation for treatment or disposal of hazardous substances at the site. Under the provisions of Section 104(e) of CERCLA, 42 U.S.C. § 9604(e), as amended, and Section 3007 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. § 6927, as amended, EPA has the authority to require any person who has or may have information relevant to the following to furnish such information: (1) the identification, nature, and quantity of materials which have been or are generated, treated, stored or disposed of at the facility; (2) the nature or extent of a release or threatened release of a hazardous substance or pollutant or contaminant at or from a vessel or facility; and (3) information relating to the ability of a person to pay for or perform a cleanup.

The term "site" as used in this letter and request for information refers to the term "facility" which is broadly defined in CERCLA. A facility includes "any site or area where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located . . . ." 42 U.S.C. § 9601(9). The CB/NT site encompasses approximately 10 to 12 square miles of shallow water, shoreline, tideflats and nearby upland areas. The nearshore portion of the site extends from the head of City Waterway to Point Defiance. The tideflats area includes the industrialized waterways and properties which have been developed on the delta of the Puyallup River. In both areas, the site includes all water and bottom sediment to depths of 60 feet below the Mean Lower Low Water (MLLW) contour. It also includes upland areas which are defined by drainage-basin features rather than political boundaries, with the exception that the Puyallup River is only included from the bay upstream to the Interstate 5 highway bridge. For purposes of this notice letter and request for information, it is important not to confuse the terms "facility" and "site" (which encompass the entire CB/NT Superfund project area) with your specific property, operation, or business.

The terms "hazardous substances" as defined under Section 101(14) of CERCLA, as amended, and "pollutants and contaminants" as defined under Section 101(33) of CERCLA, as amended, are used in this letter and request for information to describe any of a wide range of chemical compounds found in raw materials, additives, intermediate products, byproducts, waste streams and final products. Materials of concern could be associated with commercial activities such as painting, cleaning, degreasing, repairing, manufacturing, storage, and numerous other activities. They could also be found in more generalized urban runoff from roadways and storm sewers.



Pursuant to the EPA's statutory authority contained in Section 104(e) of CERCLA, as amended, you are hereby requested to submit information in response to the questions listed below. When responding to these questions, please include all available information of past practices and procedures as well as those currently in use:

1. List your current business or mailing address for any property you have owned, leased or occupied in the CB/NT site and describe its approximate size and boundaries. Describe how long your company has been in operation at its current location, and at any previous locations in the CB/NT site. Please list all prior owners, lessors, and occupants at such currently or previously owned or occupied property.
2. Describe the ownership of your company or business, including whether it is a sole proprietorship, limited partnership, corporation or other form of legal organization or entity. Provide the date when you began operating your business including the dates of any organizational changes such as incorporation. Provide the names and addresses of any subsidiaries or companies in which your business has an interest, and briefly describe the activities in which they do business. List the owners, directors, and officers of your company or corporation and describe any changes in organization or ownership since you started operating your business in the CB/NT site.
3. Please review the attached property list containing a description of properties in the CB/NT site for which EPA believes you or your company has an ownership interest (Attachment 2). Indicate whether this list is correct and make any corrections or additions if appropriate. Please include an explanation for any changes to this list.
4. Describe and list any leases or sub-leases which you or your company have entered into (as either lessor or lessee) at any time pertaining to property or businesses associated with operations in the CB/NT site.
5. Provide a general description of all processes, activities, and operations carried out by you or your company at any time on property in the CB/NT site. Specify the time periods and locations of all processes and activities.
6. List the generic names and chemical character of any "hazardous substances" and any "pollutants or contaminants" as defined on page 4 of this letter, that you or your company have generated, stored, treated, transported, disposed or otherwise handled or used in any processes, activities, and operations of you or your company at the site. Briefly describe the processes, activities, and operations carried out by you or your company involving such hazardous substances, pollutants, or contaminants. Your description should include, but not be limited to, the following:

- a general description of materials used in production, maintenance or cleaning operations at each location
  - a general description of waste streams and waste materials resulting from these processes
  - analytical data describing these materials, or material safety data sheets (MSDS), if available
  - the location and system for delivery, unloading, and storage of each substance to the facility
  - monitoring systems used for chemical inventory in storage facilities
  - procedures for cleaning storage tanks, equipment, and structures where such hazardous substances, pollutants or contaminants were used or otherwise handled
7. For each hazardous substance identified above, please describe how the substance is or was handled, the dates or approximate time it was handled, and the total quantity in weight or volume (estimate if quantity not available) of such hazardous substances, pollutants, or contaminants.
8. Describe where and for how long any such hazardous substances, pollutants or contaminants described above were stored, and where and when the material was disposed of. Include on-property and off-property, informal and formal storage and disposal.
9. What arrangements (if any) were made to transport the hazardous substances, pollutants, or contaminants away from your property or operation? Who was the transporter of the hazardous substances, and what is the transporter's current/previous address?
10. If any of the hazardous substances identified in response to questions 6-9 above were contained in oil or petroleum products, indicate the source of such hazardous substances, the amount and concentration mixed or contained in the oil, the date(s) such mixing occurred, the process or method of introduction of hazardous substances into the oil, and any other information in your possession regarding the presence of hazardous substances in oil or petroleum products which you generated, stored, transported, or disposed.
11. Provide all information you have regarding spills, leaks, and pipeline breaks of hazardous substances, pollutants, or contaminants on or around your property. This should include the generic name and chemical constituents of the materials(s) spilled, the quantity of material spilled, cleanup measures taken, the cause of the spill and any other related information.

12. Describe and provide the results of all environmental investigations that have taken place on or around your property. This includes investigations of the physical and chemical characteristics of the soil, surface water, sediments, air and groundwater. This also includes historical evaluations of potential/known contamination. Provide a list of all investigations planned or completed (include the purpose, dates, and relevant documents).
13. Provide all existing maps, diagrams, and photos of your property and of facility operations. If appropriate, include information that indicates original shoreline boundaries, and any changes to the shoreline that may have occurred. Also indicate whether any portion of your property includes intertidal or submerged portions of the adjacent marine waterways or nearshore areas to a depth of sixty (60) feet below the Mean Lower Low Water (MLLW) contour.
14. Provide records and maps of locations of all underground structures at your property, including underground pipelines, bulkheads, storage facilities or other underground structures.
15. Describe the surface water drainage from your property, including but not limited to, whether precipitation collects in storm drains, ditches, or discharge to a local waterway.
16. Provide the name of all of your liability insurance carriers and copies of any liability insurance policies maintained by you as well as your subsidiaries that may provide liability coverage for damages resulting from releases of hazardous substances and/or wastes, pollutants, or contaminants. If your insurance policies are voluminous, or if you prefer not to submit them at this time but agree to submit the policies or make them available to EPA at a later date, you may provide EPA with a list of such insurance policies along with the name of the insurer, and the dates, extent, and amounts of such coverage.
17. Please provide any other information, correspondence, or records in the possession or control of Champion International regarding the use, treatment, storage, or disposal, or the transportation for use treatment, storage or disposal of hazardous substances or pollutants or contaminants at its property described in response to Question Number One above.
18. Provide a description of the types of records maintained by or otherwise available from your company which are related to the subjects discussed in the above questions.
19. Provide a list and the current or last known address and telephone numbers of all persons or companies which may have knowledge relating to any of the above questions.

Your written answers to these questions must be sent to EPA within thirty (30) calendar days of your receipt of this letter. Your response

should include all information and records you have related the above questions. If any records maintained with respect to the above questions are not in your possession, provide the current location and custodian of such records. Please answer all questions to the best of your knowledge.

Under Section 3008 of RCRA, 43 U.S.C. § 6928, failure to comply with this request may result in EPA's issuance of an order requiring compliance or the initiation of a civil action for appropriate relief. Section 3008 of RCRA and Section 104 of CERCLA also provide for civil penalties. Pursuant to Section 103 of CERCLA, it is unlawful for any person knowingly to destroy, mutilate, erase, dispose of, conceal, or otherwise render unavailable or unreadable, or falsify any of the above records.

EPA recognizes that this information request is broad in scope. If the information you possess is voluminous, you may respond within the thirty day period as to the availability of all related records, and provide a written description of the type of information available. Specifically, describe the types of records maintained with regard to the above requests for information including the date of the records, the author of the records, the current location of the records, and their current custodian. EPA also requests that arrangements be made to allow designated EPA employees, EPA authorized representatives including state employees, and their contractors to review all such documents.

EPA regulations governing confidentiality of business information are set forth in Part 2, Subpart B of Title 40 of the Code of Federal Regulations. See 41 Fed. Reg. 36902-36924 (September 1, 1976), as amended by 43 Fed. Reg. 40000 (September 8, 1978), 44 Fed. Reg. 17673 (March 23, 1979), and 48 Fed. Reg. 11270 (March 17, 1983), and 50 Fed. Reg. 61661 (December 18, 1985). For any portion of the information submitted which is entitled to confidential treatment, please assert a confidentiality claim in accordance with Section 104(e)(7) of CERCLA, 42 U.S.C. § 9607(e)(7), as amended, and 40 C.F.R. Section 2.201. If EPA determines that the information so designated meets the criteria set forth in Section 104(e)(7) of CERCLA and 40 C.F.R. Section 2.200, the information will be disclosed only to the extent, and by means of, the procedures specified in 40 C.F.R. Part 2, Subpart B. EPA will construe the failure to furnish a confidentiality claim with your response to this letter as a waiver of that claim, and information may be made available to the public by EPA without further notice to you.

Please respond to EPA within the time frame indicated above. Your written response should be sent to Michael Stoner, Environmental Protection Agency, Region 10, Superfund Branch, 1200 Sixth Avenue, HW-113, Seattle, Washington 98101. Please direct any technical questions to Michael Stoner or Lynne Kershner at (206) 442-2141. If you have any legal questions, you may contact Allan B. Bakalian, Assistant Regional Counsel, at (206) 442-1789.


The factual and legal discussions contained in this letter are intended solely for notification and information purposes. They are not

intended to be and cannot be relied upon as a final Agency position on any matter set forth herein.

In conclusion, EPA will be evaluating the responses which the agency receives from the recipients of this letter listed in Attachment 1. EPA will also be notifying all recipients of this general notice letter of an informational meeting to be held in early May to answer questions regarding this notice and request for information. Finally, if you wish to comment on the Commencement Bay-Nearshore/Tideflats Feasibility Study, the comment period closes on June 24, 1989.

Thank you for your prompt attention to this matter. Please do not hesitate to contact EPA should you have any questions regarding this general notice or request for information.

Sincerely,

  
Charles E. Findley, Director  
Hazardous Waste Division

Attachments (2) and Enclosure

cc: Richard Hibbard, Ecology

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
HYLEBOS WATERWAY		
AK-WA Shipbuilding	401 Alexander, Tacoma, WA 98421	AK-WA Shipbuilding
Airo Services Inc.	4110 East 11th, Tacoma, WA 98422	Airo Services, Inc.
Anderson, Stephen	3140 East 11th Street, Tacoma, WA 98422	Shell Oil Co.
B & L Trucking & Construction Co.	1621 Marine View Drive, Tacoma, WA 98422	B & L Construction & Trucking Co., Inc.
Bahet Financial Company, Inc.	234 N Santa Cruz Ave., Los Gatos, CA 95030	Modutech Marine
Bonneville Power Administration	P.O. Box 3621, Portland, OR 97208	Bonneville Power Administration
Brazier Forest Products	P.O. Box 1157, Tacoma WA 98401	Brazier Forest Products
Bronger, Ken	4742 Hyada Blvd., Tacoma, WA 98422	The Dent Doctor
Buffelen Woodworking Co.	1901 Taylor Way, Tacoma, WA 98421	Buffelen Woodworking Co.
Cenex Agriculture Inc.	CT Corp., 520 Pike Street, Seattle, WA 98101	Cenex Agriculture Inc.
Chemical Processors Inc.	2203 Airport Way S., Suite 400, Seattle, WA 98134	Chemical Processors Inc.
City of Tacoma	747 Market Street, Tacoma, WA 98421	City of Tacoma
Coski, Bernard	5403 Pendle Lange Rd NE, Tacoma, WA 98422	Coski Landfill
Dunlap Towing	P.O. Box 593, La Conner, WA 98257	Dunlap Towing
Fletcher Oil Company	733 Bishop Street, Honolulu, HI 96813	PR1
Gateway Consolidators Inc.	CT Corp, 520 Pike Street, Seattle, WA 98101	Buffelen Woodworking Co.
General Metals of Tacoma, Inc.	1902 Marine View Drive, Tacoma, WA 98422	General Metals of Tacoma, Inc.
Howard, Donna L.	6713 Pacific Hwy East, Tacoma, WA 98424	Western Engineering
Huce, Robert C. & Janet L.	3502 Greenwood Ave., Tacoma, WA 98466	Stracke
J. G. Investments, Inc.	5400 Meeker Drive, #21, Kalama, WA 98425	Jones-Goodell Corporation
Jones Chemicals Inc.	1919 Marine View Drive, Tacoma, WA 98422	Jones Chemicals Inc.
Jones-Goodell Corporation	1690 Marine View Drive, Tacoma, WA 98422	Jones-Goodell Corporation
Joseph Simon & Sons Inc.	2200 East River Street, Tacoma, WA 98421	Rail & Locomotive Equipment Company
Kaiser Aluminum & Chemical Corp.	3400 Taylor Way, Tacoma, WA 98421	Kaiser Aluminum & Chemical Corp.
Lone Star Industries	3601 Taylor Way, Tacoma, WA 98421	Lonestar Industries
Louisiana Pacific Corporation	3825 Taylor Way, Tacoma, WA 98421	Louisiana Pacific Corporation

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Manke Lumber Company Inc.	1717 Marine View Drive, Tacoma, WA 98422	Manke Lumber Company Inc.
Mav, Annon W. et al.	3003 Taylor Way, Tacoma, WA 98421	Petroleum Reclaiming Services
McFarland-Cascade	1640 E Marc, Tacoma, WA 98421	Cascade Pole
Milgard Manufacturing Inc.	P.O. Box 11368, Tacoma, WA 98401	Milgard Manufacturing Inc.
Mintercreek Development	4224 Waller Road East, Tacoma, WA 98404	Samson Marine
Modutech Marine	2218 Marine View Drive, Tacoma, WA 98422	Modutech Marine
Murray Pacific Corporation	3502 Lincoln Ave. E., Tacoma, WA 98421	Murray Pacific Corporation
Nordlund Boat Company, Inc.	1621 Taylor Way, Tacoma, WA 98421	Nordlund Boat Company, Inc.
Nordlund Properties Inc.	1530 Ventura Drive, Tacoma, WA 98465	Vance Lift Truck
Nordlund Properties Inc.	1621 Taylor Way, Tacoma, WA 98421	Pederson Oil
Nordlund Properties Inc.	1608 S. Winnifred, Tacoma, WA 98406	Nordlund Boat Company, Inc.
Nordlund Properties Inc.	1530 Ventura Drive, Tacoma, WA 98465	Manke Lumber Company Inc.
Northwest Processing, Inc.	P.O. Box 940, Tacoma, WA 98401	Northwest Processing, Inc.
Occidental Chemical & Plastic Corp.	605 Alexander Ave., Tacoma, WA 98401	Occidental Chemical & Plastic Corp.
Oline, Don	P.O. Box 428, Montesano, WA 98563	Oline, Don
Oline, Ron & Brad et al.	1940 Marine View Drive, Tacoma, WA 98422	Oline, Don
Pan Pacific Trading Company	2208 NW Market, Seattle, WA 98107	Murray Pacific Corporation
Pederson Oil	1622 Marine View Drive, Tacoma, WA 98422	Pederson Oil
Pennwalt Corporation	2901 Taylor Way, Tacoma, WA 98421	Pennwalt Corporation
Petroleum Reclaiming Services	3003 Taylor Way, Tacoma, WA 98421	Petroleum Reclaiming Services
Poligen Corporation	1801 Alexander, Tacoma, WA 98421	Poligen Corporation
Port of Tacoma	P.O. Box 1837, Tacoma, WA 98401	Port of Tacoma
PRI	709 Alexander, Tacoma, WA 98421	PRI
Ragnar, Nars	2116 Taylor Way E., Tacoma, WA 98421	Superlon Plastics
Rail & Locomotive Equipment Company	1515 Taylor Way, Tacoma, WA 98421	Rail & Locomotive Equipment Company
Samson Marine	4106 East 11, Tacoma, WA 98421	Samson Marine

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Seaport Bark Supply, Inc.	3542 Lincoln Avenue, Tacoma, WA 98421	Seaport Bark Supply, Inc.
Shell Oil Co.	CT Corp., 520 Pike, Seattle, WA 98101	Shell Oil Co.
Solidus Corporation	2244 Port of Tacoma Road, Tacoma, WA 98421	Northwest Processing, Inc.
Sound Refining Company	2628 Marine View Drive, Tacoma WA 98422	Sound Refining Company
Sound Refining Company	2628 Marine View Drive, Tacoma, WA 98422	Wright Marine Towing Inc.
Stone Investments	P.O. Box 25190, Honolulu, HI 96825	Oline, Don
Stracke	3001 Marine View Drive, Tacoma, WA 98422	Stracke
Superlon Plastics	2116 Taylor Way, Tacoma, WA 98422	Superlon Plastics
Sussman, Leslie P.	1 N. Stadium Way #6, Tacoma, WA 98402	General Metals of Tacoma, Inc.
Tacoma Boatbuilding Company Inc.	1840 Marine View Drive, Tacoma, WA 98422	Tacoma Boatbuilding Company Inc.
Taylor Way Investment Corporation	5501 Airport Way S., Tacoma, WA 98108	Brazier Forest Products
The Dent Doctor	2928 Marine View Drive, Tacoma, WA 98422	The Dent Doctor
United States Gypsum Company	2301 Taylor Way, Tacoma, WA 98421	United States Gypsum Company
U.S. Naval and Marine Corps Reserve	200 Stovall Street, Alexandria, VA 22332	U.S. Naval and Marine Corps Reserve
Vance Lift Truck	3302 East 11th Street, Tacoma, WA 98421	Vance Lift Truck
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	Hylebos Waterway
Western Engineering	6713 Pacific Hwy East, Tacoma, WA 98424	Western Engineering
Weverhaeuser Company	33663 32nd Drive S., Federal Way, WA 98003	Weverhaeuser Company
Wright Marine Towing Inc.	P.O. Box 47, Tacoma, WA 98401	Wright Marine Towing Inc.

#### SITCLUM WATERWAY

1 (One) Newco Inc.	1410 Thorne, Tacoma, WA 98421	General Chemical Corporation
Apex Forge and Tool Co.	2311 Ross Way Trade Industries, Tacoma, WA 98421	Apex Forge and Tool Co.
Barthel Company	P.O. Box 1025, Tacoma, WA 98042	Barthel Co.
Dykman, Marvin and Glee	2310 East 11th Street, Tacoma, WA 98421	Sound Battery Company
General Chemical Corporation	1410 Thorne Road, Tacoma, WA 98421	General Chemical Corporation
Georgia Pacific Resins, Inc.	1754 Thorne Road, Tacoma, WA 98421	Georgia Pacific Resins, Inc.
Glein Investments	1144 Thorne Road, Tacoma, WA 98421	Norcore Plastics



PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
Hertz	2216 East 11th Street, Tacoma WA 98421	Hertz
Hvarade Food Products Corporation	1623 East J Street, Tacoma, WA 98421	Nulife
Nulife	1424 Thorne Road, Tacoma, WA 98421	Nulife
Mann Russel Electronics	1401 Thorne Road, Tacoma, WA 98421	Mann Russel Electronics
McKenzie, Mrs. Eva	29 St. Helens Avenue #1406, Tacoma, WA 98402	McKenzie Fuel
Mintercreek Development	4224 Waller Road East, Tacoma, WA 98404	Apex Forge and Tool Co.
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	William Drury Co.
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	Suburban Propane
Modern Properties Inc.	P.O. Box 110880, Tacoma, WA 98411	Hertz
Nelson, Carl	P.O. Box 630, Tacoma, WA 98401	Tacoma Port Angeles Auto Freight
Norcore Plastics	1144 Thorne Road, Tacoma, WA 98421	Norcore Plastics
Oregon-Washington RR & Navigation Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Oregon-Washington RR & Navigation Co.
PABCO Roofing Products	1718 Thorne Road, Tacoma, WA 98421	Pacific Coast Building Products
Pacific Marine Repair	2220 East 11th, Tacoma, WA 98421	Pacific Marine Repair
Pacific Rim Packaging Corporation	1702 Port of Tacoma, WA 98421	Rheem Manufacturing Company
Port of Tacoma	1 Sitcum Plaza, Tacoma, WA 98421	Port of Tacoma
Shortt, William N.	2331 Ross Way, Tacoma, WA 98421	Shortt Saw and Knife
Suburban Propane	1125 Thorne Road, Tacoma, WA 98421	Suburban Propane
Tacoma Port Angeles Auto Freight	2235 Ross Way, Tacoma, WA 98421	Tacoma Port Angeles Auto Freight
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	Sitcum Waterway
William Drury Co.	2220 E. 11th, Tacoma, WA 98421	William Drury Co.

#### ST. PAUL WATERWAY

Champion International	One Champion Plaza, Stamford, CT 06921	Simpson Tacoma Kraft Company
Simpson Tacoma Kraft Company	801 Portland Avenue, Tacoma, WA 98421	Simpson Tacoma Kraft Company
St. Regis		

PRP NAME	PRP ADDRESS	Property of Concern (Current Operator)
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#### MIDDLE WATERWAY

Cook's Marine Specialties	223 East F Street, Tacoma, WA 98421	Cook's Marine Specialties
Foss Maritime Co.	225 E. F Street, Tacoma, WA 98421	Foss Launch & Tug Company
Marine Industries Northwest	313 East F Street, Tacoma, WA 98421	Marine Industries Northwest
Paxport Mills Inc.	300 Middle Waterway, Tacoma, WA 98421	Paxport Mills Inc.
Pioneer-Gudmundson Painting Co.	255 East F Street, Tacoma, WA 98421	Pioneer-Gudmundson Painting Co.
Puget Sound Plywood	230 East F Street, Tacoma, WA 98421	Puget Sound Plywood
Simpson Tacoma Kraft Company	801 Portland Avenue, Tacoma, WA 98421	Simpson Tacoma Kraft Company
Union Pacific Railroad Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Paxport Mills Inc.
Washington Belt & Drive Systems	672 East 11th, Tacoma, WA 98421	Washington Belt & Drive Systems
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	Middle Waterway
Western Machine Works Inc.	666 East 11th Street, Tacoma, WA 98421	Western Machine Works Inc.

#### WHEELER-OSGOOD WATERWAY

Burlington Northern	999 3rd Avenue, Seattle, WA 98101	Wheeler/Osgood Waterway
Chevron USA Incorporated	CT Corp., 520 Pike Street, Seattle, WA 98101	Chevron Oil
Griffin Galbraith Fuel Co.	1648 East J Street, Tacoma, WA 98421	Chevron Oil
Northwest Container Corporation, Inc.	635 East 15th, Tacoma, WA 98421	Northwest Container Corporation, Inc.
Rainier Plywood Company	624 East 15th Street, Tacoma, WA 98421	Rainier Plywood Company
Western Plastics Corporation	2330 Port of Tacoma Road, Tacoma, WA 98421	Northwest Container Corporation, Inc.

#### CITY WATERWAY

Coastcraft Inc.	1002 East F Street, Tacoma, WA 98421	Coast Sash & Door
Coast Iron	5225 7th East, Tacoma, WA 98421	Coast Iron
Fick Foundry Company	435 East 11th, Tacoma, WA 98421	Fick Foundry Company
George Scofield Co., Inc.	1543 Dock Street, Tacoma, WA 98421	George Scofield Co., Inc.
Globe Machine Manufacturing	701 E. D Street, Tacoma, WA 98421	Globe Machine Manufacturing
Harmon Cabinets, Inc.	1933 Dock Street, Tacoma, WA 98421	Harmon Cabinets, Inc.

PRP NAME	PRP ADDRESS ..	Property of Concern (Current Operator)
Industrial Rubber Supply	2307 East D Street, Tacoma, WA 98421	Industrial Rubber Supply
J.M. Martinac Shipbuilding Corporation	401 East 15th, Tacoma, WA 98421	J.M. Martinac Shipbuilding Corporation
Jones, Lewis R.	4 Forest Glen Lane SW, Tacoma, WA 98498	American Plating
Marine Iron Works, Inc.	1120 East D Street, Tacoma, WA 98421	Marine Iron Works
Mobil Oil Corporation	CT Corp., 520 Pike Street, Tacoma, WA 98101	Mobil Oil Corporation
Moorage Association	821 Dock Street, Tacoma, WA 98421	Totem Boat Haven
North Pacific Plywood	8220 Eustis-Hunt Road East, Spanaway, WA 98387	North Pacific Plywood
Olympic Chemical Corporation	702 East A Street, Tacoma, WA 98421	Olympic Chemical Corporation
Oregon-Washington RR & Navigation Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Pacific Railroad Company
Parker Paint Manufacturing Co., Inc.	3326 S. Junett, Tacoma, WA 98409	Parker Paint Manufacturing Co., Inc.
Pickering Industries Incorporated	2102 East D Street, Tacoma, WA 98421	Pickering Industries Incorporated
Shell Oil Co.	CT Corp., 520 Pike Street, Seattle, WA 98101	Shell Oil Co.
Superior Oil	250 East D Street, Tacoma, WA 98421	Superior Oil
Totem Boat Haven	821 Dock Street, Tacoma, WA 98421	Totem Boat Haven
Union Oil Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Oil Company
Union Pacific Railroad Company	CT Corp., 520 Pike Street, Seattle, WA 98101	Union Pacific Railroad Company
Wash. Department of Natural Resources	MS QW-21, John Cherberg Bldg., Olympia, WA 98504	City Waterway
Washington Department of Transportation	5720 Capitol Building, Olympia, WA 98504	Tacoma Spur Site
West Coast Grocery Company	1525 East D Street, Tacoma, WA 98421	West Coast Grocery Company
Western Fish and Oyster	1137 Dock Street, Tacoma, WA 98421	Western Fish and Oyster
Woodworth & Company Inc.	1200 East D Street, Tacoma, WA 98421	Woodworth & Company Inc.
COMMENCEMENT BAY		
ASARCO, Inc.	P.O. Box 1677, Tacoma, WA 98401	ASARCO, Inc.
Continental Grain	11 Schuster Parkway, Tacoma, WA 98402	Continental Grain
Port of Tacoma	1 Sitcum Plaza, Tacoma, WA 98421	Continental Grain

Date 03/31/89  
Time 17:20:00

Commencement Bay PRP Search Report - Property Lists

\*\* TENANT PRP = Champion International

Parcel----	Owner-----	Size (ac)---	Parcel Address-----	Location-----	Waterway-----
0320041046	Simpson Tacoma Land Company	0.350	St. Paul Avenue, Tacoma, WA	R-03 T-20 S-04 1/4-NE St. Paul	

*Handwritten: This is M. C. 2*

ST. REGIS DOCUMENT PRODUCTION

INDEX

NO FILE DRAWER A

File: Violations - 1981

File: 8/20/81 Memo Re: Shutdown of 3, 4 and 5.

File: Violations - 1980.

File: 9/16/81 Memo re: #2 H.F.B.

FILE DRAWER ONE

1. TRW Env. Systems Test & Analysis Lab Booklet.
2. 1971 Effluent Reports and 1972.
3. Dec. '74 Effluent.
4. Nov. '74 Effluent Report.
5. May '74 Effluent Report.
6. Feb '74 Effluent Report.
7. Effluent - October 1973.
8. May '73 ER to State.
9. 1973 Effluent Tests.
10. 1971 Pollution Correspondence.
11. Sept. 1974 Emissions.
12. Oct. 1974 Emissions.
13. Aug 1974 Effluent.
14. July 1974 Effluent Report.
15. Mo. Pollution Reports.
16. Instrumentation for the quantitative Measurement of Sulfur Compounds in Kraft Gas - Thoen.
17. Air and Water - Instrumental report to Welch.
18. Instrumental - Pollution Effluents.
19. Air Pollution - General (purification, etc.).
20. Process Weight - 1966.
21. Gas Analysis.
22. All Weather Test Station.
23. Air and Water Committee TAPP.
24. Air Quality Criteria and Local Application to Standards - Faith.

File Drawer One (Continued)

25. "Pollution" Equipment.
26. Air Protection: Tests and Procedures - 1967.
27. CE 3 Effic Test 2/69.
28. Pollution Correspondence.
29. Pollution Equipment.
30. Puget Sound Air Pollution 1968.
31. Pollution Complaints.
32. NWPPA - Accomplishment Survey 1965-69  
(air and water pollution).
33. Scott Paper - Hog Fuel Boiler Emission Data.
34. Air Qual. Testing Equip.
35. Pollution - Equip - Treatment Brochures.
36. Monthly - "pollution" report Tacoma - Kraft Division.
37. Stack testing shelters.
38. Notebook - Bob Romner.
39. Inst. for using the automatic color-brightener tester.
40. Corporate Engineering Pro. #51-117-22 Mill 30-123.
41. No. 2 power boiler study 1969 - overfire air and  
aux fuel.
42. Opacity - Regulations.
43. Gas Equip. - West PPT.
44. Stack Analysis - Aug 1968.
45. Sept. 1969 - Air Emission Rept.
46. Correspondence - 1970.
47. Feb '70 Stack Tests.
48. Odor Control - Bailey.
49. NCASI - 1969.
50. State of Washington Kraft Air Emission Regulations.



File Drawer One (continued)

51. PSAPCA.
52. AWI - AOI (State Air Pollution) Air Pollution Standards.
53. Parr - Oxygen bomb calorimeter.
54. Calorimeter.
55. SO<sub>2</sub>.
56. No. 4 Recovery (proposal).
57. PSAPCA Emission - Inventory.
58. PSAPCA Prel. Registration Form - 1969.
59. Air Pollution Glossary - 1969.
60. Air Pollution Control Assn. - 1971.
61. SO<sub>2</sub> in Stacks (Air Poll.) Chemical Analysis.
62. Prelim. Outfall Design.
63. Tests on Wallboard Tape.
64. Puget Sound Pollution Registration.
65. PSAPCA.
66. Air Emission Info.
67. Sulfur Revision in Evaps.
68. Black Liquor Flow Meters to No. 3 CE and Cascades.
69. JOPA 500 (Background list).
70. Tac relief - Pollution Abatement Equip.
71. Special Studies Program.
72. Recovery Boiler Heat and Chemical Balance - Tacoma Mill - 1965.
73. (Skipped number by error).
74. Non-Condensable Burning.
75. TRS.
76. Notice of Hearing and St. Regis Proposal.

File Drawer One (continued)

77. Ringlemann - Air Pollution.
78. Air Emission Reduction - Eng. Study 1969.
79. Receiving Water Characterization Study.
80. Blu-Surf May, 1970.
81. Analysis of Sulfur - Containing Gases in the Ambient Air Using Selective Pre-Filter and a Microcaulometric Detector.
82. CE-4 Particle Size (Plat).
83. Misc. Source Emission Study for STR November 1, 1969.
84. Source Emission Study - 9/6/68.
85. Clarifier.
86. Air Pollution Scrubber - 1976 - CE Recovery.
87. Opacity US ER CE-4 [NCASO].
88. Oregon Kraft Mills - Air Emission Data.
89. Lear - Siegler Transmissometer.
90. SO<sub>2</sub> Emission.
91. Pollution Projects ETC Current.
92. Misc. - Emission STD H<sub>2</sub>O, TRS, SO<sub>2</sub>.

FILE DRAWER TWO

Loose: Misc.

File: January 1970 stack report WSAPCB-DROEGE.

File: April 1970 Air emission.

File: Air emission report June 1970.

File: Air emission July 1970

File: August 1970 air emissions.

Loose: Misc.

File: May 1971 emissions.

File: Air emissions February 1971.

File: April 1971 air emissions.

File: PSAPCA - Stack tests.

File: (small bucket) November 1970 air emissions summaries.

File: (small bucket) January 1971 air emissions summaries.

File: Air emission report February 1970.

File: Air emissions report January 1970.

File: March 1970 air emissions.

File: September 1971 effluent reports.

File: Effluent report June 1971.

File: July 1971 Effluent report.

File: August 1971 Effluent report.

File: Effluent report June 1971.

File: Air pollution report December 1969.

File Drawer Two (continued)

- File: 1966 Ocean Chemicals, Inc.  
Puget Sound Air Pollution Control Agency 1970.
- File: (Gray notebook) Report on Steam Plant Generating Capacity and Mill Stream Denard Tacoma Kraft Mill by A.C. Pertmer (undated) uses data from 1966 -
- File: CE-3 Precipitator Efficiencies (Recovery Furnace) on front 1965 Inter Co. Memo on fan cleaner.
- File: Bolometer - by Bailey - a smoke density transmitter & Class GN or GL receiver product instructions.
- File: Bag House - (1970).
- File: Loose letter to DOE 11/10/70 re: October 1970 air report (enclosed etc.)
- File: March 1971 Air Emission Report.
- File: Department of Ecology (organization chart).
- File: Black liquor 1971. Article: A different Approach to Oxidation of Black Liquor Paper Trade Journal June 8, 1970.
- File: PPT efficiency (1971).
- File: Black liquor oxidation (empty).
- File: CE3 PPT - dust sampling 9/17/62.
- File: #3 Precipitator efficiencies 9/20/62 (9/19/64).
- File: Loose papers on carbon treatment JPL 1975.

File Drawer Two (continued)

File: Quarter report effluent compliance schedules (1970) and 1972 and 1975. Lots of letters b/w DOE and Jacksonville, Florida re: compliance schedules etc.

File: Air emissions survey project #51-117-22.

File: Water Rights Booklet, Man and Water No. 3, 1972  
Sponsored by Calgon Corp.

File: Air Pollution State of Washington Registration - ETC.  
1968.

File: Booklet, Don't Leave it all to the Experts. (1/23/73 received) EPA 1972.

File: - No file loose papers.

File: Noncondensibles.

File: Loose document 1972 "Survey of NCAII."

File: Particle size emissions recovery furnaces PMR13(1960).

File: WAC 18-36.

File: Loose papers.

File: Environmental instruments.

File: Dynascience air emissions monitor.

File: Stack emissions - St. Regis - Kraft Division.

File: Loose document on Benzidine.

File: PSAPCA correspondence shutdown upset.

File: PCB.

File: Retrofit Guidelines 1978

File: NSPS 1978

File: Air Pollution Registration.

File: PSD Clean Air Act Amend 1977.

File: Violation Agency correspondence 1977.

File Drawer Two (continued)

File: Brown notebook of Puget Sound Air Pollution Control Agency Mechanical Equipment and other equipment system.

File: Hearing (Tacoma) on Regulation I March 1, 1968 (in back of file drawer two)

File: Lime Kiln TRS compliance 173-405-031.

File: Loose documents.

File: Black 3 ring notebook (Regulatory MTGS orders corresp. compliance schedules.

File: Loose.

FILE DRAWER THREE

1. Effluent - January 1979.
2. Effluent - February 1979 through December 1979.
3. Effluent - 1981.
4. Effluent - 1982.

FILE DRAWER FOUR

1. 9D-469 Toxic Substances Control Act (TSCA).
2. State Hazardous Waste Act.
3. Treatment of Condensates (+ correspondence).
4. City of Tacoma correspondence.
5. Hazardous Waste.
6. Prelim. Proposal to Wash. State Pollution Control Agency 3/31/69.
7. Clean Air Act Amendments - 1977 PL 95-95.
8. SEPA (WAC 197).
9. Hog Fuel Boiler Test Data.
10. Mercury - Toxic Substances.
11. Ducan EPA Tests (2MB/3, 4, 5 MB).
12. Air Sampling Procedure -EPA Method 5.
13. 1972 Federal Guidelines.
14. EPA.
15. PSAPCA - Notice of Const. (HFB Scrubbers 1977).
16. Air Pollution - Legislative (RCW 70.94).
17. Laws - Historical.
18. Tax Exemption Certificates.
19. Oil and Hazardous Materials Quest. - EPA.
20. CE 3 Recovery.
21. Delegation Order - DOE To PSAPCA 8/5/75.
22. B.O.D. and COD - Misc. Effluent tests.
23. Noncondensable Gas System - Analytical Data 1972.
24. CE 3 Venturi Scrubber.
25. Sewer Flow - 1972 - DCL Division.



File Drawer Four (continued)

26. Pulp Curves - 1971
27. Marco Paper - 1972.
28. Hog Fuel Scrubbers 1972.
29. Boiler Questionnaire - 1969.
30. Opacity.
31. Tax on Sulfur in Fuels - 1972.
32. Marine Water Surveys.
33. Water Contact 1971.
34. Complaint Reports - 1972.
35. Hinton Pulp Evaluators.
36. Waste Discharge Report.
37. Odor.
38. Energy and Water Divisional Goods.
39. #1 Lime Kiln Scrubber.
40. Episode Avoidance.
41. SERP.
42. PSAPCA - Pollution Source Registration.
43. Air and Water Pollution Abatement Docs.
44. Misc. Permits.
45. Pulp Specs.
46. 51-117-38 CE Project.
47. Climatology.
48.  $\text{HNO}_3$  - HTR Cleaning.
49. 1972 Vacation Lists (Technical - C.B. Henry).
50. DOE Weekly Tests - 1972.

File Drawer Four (continued)

51. WS/APCB Sampling and Reporting Program.
52. Weather Data - Tacoma (1970).
53. Oil Spills.
54. CE PRT Efficiencies.
55. Tax Credit - JOPA 500.
56. Air Effluent Data.
57. NWPPA - 1972.
58. TRS and O<sub>2</sub>.
59. PSAPCA Variances and Permits.
60. DOE.
61. Hog Fuel Scrubbers - Variance.
62. Kraft Mill Air STDS - 1976 - Amendments.

FILE DRAWER FIVE

1. Digester Control Scheme.
2. Environmetrix.
3. Environmental Protection - Energy Use 1975.
4. May 1970.
5. Industry and Hazardous Wastes - DOE Quest.
6. Water Effluent Test Procedures.
7. Tacoma Mill Air Emissions Insp. Program 1969.
8. NCASI Questionnaire - 1971.
9. Precip. Q. - 1974.
10. KAPPA Number Proc.
11. SO<sub>2</sub>.
12. 1975 PSAPCA Source - Emission Inventory.
13. 1971 NWPPA Environmental Prot. Accomplishments.
14. REC H<sub>2</sub>O Surveys - 1972.
15. Energy.
16. Ducon Pilot Venture: Scrubbers.
17. Environmental Inst. Sampler.
18. H<sub>2</sub>O Recycle.
19. Fuel Oil Contract.
20. Kraft Effluent (toxicity).
21. Emission data.
22. Condensate Stripping.
23. Receiving H<sub>2</sub>O 1974.
24. June 1974.
25. Secondary Fiber.

File Drawer Five (continued)

26. Monthly Air and Water Pollution Operating Summary.
27. PSAPCA/St. Regis Test (North Scrubber) 10/27/77.
28. NCASI Evaporator Quest. 1976.
29. Air Poll. Scrubbers CE-3.
30. CE #3 Eff. Compliance Test.
31. BLO - Heavy - West Kraft & Weyerhaeuser.
32. Chip Quality Quest - Miller.
33. NCASI 1969 Survey Exped and Accomplishments.
34. API Quest. - 1974.
35. NWAPPA Quest. 1970.
36. NCASI - Do and Temp Quest. 1975.
37. Background Data Poll. for Speech.
38. Oxidation Tower Acid Cleaning 1971.
39. Sandwell.
40. 1978 VBC Spill.
41. Goals - 1978 - Tacoma.
42. NCASI - SO<sub>2</sub> - NOX.
43. Clarifier Efficiencies.
44. Tac. Secondary Treatment \_ Pre des. study.
45. Tax Exempt bonds - JOPA 500.
46. Clarifier Profile 4/6/71.
47. Clarifier Eff. Nov. '70.
48. Questionnaire.
49. H<sub>2</sub>O Questionnaire.
50. 1973 Bureau of Census Questionnaire.
51. NCASI Quest. 1978.

File Drawer Five (continued)

52. Refining quest - 1976.
53. NCASI Quest. 1972.
54. Water Use in Mfg - Bureau of Census 1973.
55. NWPPA Water Testing Questions Oct. 1964.
56. Oxidation Tower and Quest.
57. Secondary Treatment and Sewer Sys - Eff. Control Cost Est.
58. Evaporation Comparison
59. Air Monitoring.
60. NWPPA Accomp. Survey 1969.
61. Steam Stripping.
62. In-Plant Effluent Control Lang, Buck.
63. Kraft Mill Air Standards.
64. Construction Cost Estimate and Report for Air Emission Control Program 8/21/70.

FILE DRAWER SIX

File: Northwest Pulp & Paper 1981-1982 Loose back of drawer.  
Briefs and memos and minutes.

File: Northwest Pulp & Paper folder (loose in back of drawer).

File: Loose paper (mast NW P & P letters and info) 1982  
(loose in back of drawer).

File: Loose in black clip (1982 NWPPA and other).

File: 1982 NWPPA Notebook notes 1/22/82, 7/23/82 (mentions  
PSAPCA regs.).

File: Notebook with loose papers.

File: Budget 1981-1982.

File: Loose papers.

File: NWPPA folder (1980).

File: Loose papers.

File: NWPPA B & O Tax on Black Liquor.

File: NWPPA 1980.

File: Red 9/4/80.

File: Pulp & Paper.

File: Fed. Reg.

File: Loose papers.

File: NWPPA (annual reports, etc.)

File: NCASI - Andy Caron 1969.

File: AWI - Air Quality Control Subcommittee 1966 proposed act.

File: Green notebook 1980 notes.

File: Blue NWPPA 79-80.

File: NWPPA Tech Committee 9/27/78.

File: Izaak Walton League.

File: Loose papers.

File Drawer Six (continued).

File: \_\_\_\_\_ 1980.

FILE DRAWER SEVEN

1. Corps of Engineers - Complete 4345 Permit and Assoc. data.
2. Corps of Engineers - 1971.
3. Corps of Engineers - Off. Exec. Permit.
4. Salvage Wood Long Range Planning.
5. Spill Collection.
6. Black Liquor - St. Helens.
7. Stack Lining CE-4.
8. CE-3 Temp.



FILE DRAWER EIGHT

File: Tacoma Unox Pilot and Toxicity Testing Report  
issued August, 1975 Jack S. Kace (blue folder)  
water related 20 pages 2/XI appendices (250-300 pps).

File: Loose Papers.

File: Secondary Waste Treatment Red - Operating manual  
for treatment system.

File: Tacoma Waste Treatment Study 1979.

File: Wood waste usage 1978.

File: Loose Papers.

File: Secondary treatment (green) 3/75 testing program.

File: Name of File: Secondary Unox Sludge Van Sludge  
Dewatering Study, etc. 1973 12/2/74; 4/4/75-10/16/75.

File: Secondary Pilot.  
7/23/75 Unox pilot plant program.  
8/75 Pilot plant report.

File: Secondary treatment - correspondence re: unox  
(1/29/75) pilot plant study and study.

File: Analysis of water characteristics and the biological  
resources of Commencement Bay relative to a need for  
secondary treatment by Parametrix, Inc. 4122 Stone  
Way No. Seattle, WA 98103, October, 1975.

File: Secondary Treatment.  
9/29/75 - Tacoma Unox pilot and toxicity testing  
by Jack Kace.

File: Effluent Line flow, etc.  
7/17/79 - waste pipeline slime removal.  
1/27/78 - effluent line flow tests, etc.

File: Secondary treatment and clarifier

File: Loose Papers.

File: St. Regis, Jacksonville, Florida - Tacoma Secondary  
Treatment Preliminary Design Study (Sandwell  
5/8/73).

File Drawer Eight (continued)

File: Loose Papers.

File: UNOX.

File: Loose Papers.

File: Linerboard comparison tests - 1981.

File: No name - Ashin paper and paper samples.

File: Secondary treatment - Blue - Unox description for DOE 1975, 1976 & 1977 correspondence etc. secondary water.

File: Loose Papers.

File: Unox secondary treatment system

File: Secondary alts.

File: Op training schedule 1977 (March 24).

File: Gen information  
Hooker Chemical - anhydrous ammonia product data

File: Black Binder - Oxygen (Liquid Air, Inc.)  
Cleaning, practices, safety, commodity specification.

File: Ammonia and other empty files.

File: Secondary analytical procedures (to test Oxygen)

File: BOD correlation 3/8/77.

File: Loose Papers.

File Drawer Eight (continued)

File: Oxygen Plant Oct. 1975 purchase spec Cryogenic  
O<sub>2</sub> plant and letter re: site of plant.

File: Process schematics 11/21/75  
cryogenic consulting service survey (after 7/77).

File: Instruments, etc 3/2/77

File: Respirometer  
Model 970 - theory and application.

File: Loose Papers.

File: Sludge beds - 1973 Seattle Marine Lab - survey  
proposal, draft and blueprints.

File: Deep tank aeration 12/20/74 (1 diagram)

File: Bioassay (Aug. 1974 approx).

File: Secondary treatment data - procedures and calculations  
1977 selection of recycle rates.

File: LPD - effluent 1975 (Oct.)

File: Secondary history 10/75, 11/75, 12/75, 5/76, 4/76,  
1/76, 2/76, 5/76, 6/76, 7/76. All re: Sandwell  
help/test Unox new system/project (secondary  
treatment).

File: ARGON - Liquid Air Corp. of North America Annual  
Report 1976.

File: Continuous N#3 Monitor ORION.

File: Kirk, E.D. (Chicago) 1971 [Water Pollution EPA  
survey Q's, etc. 1977].

File: Sect. 308 questionnaire - checklist and drafts.

File: Unox data processing 8/77 - 2/78.

File: Loose Papers.

File: Base Lab Data - Tacoma Effluent Study 1/8/80.

File Drawer Eight (continued)

File:       Sonic Drying Activated Sludge.

File:       Sludge Animal Feed 11/3/76.

File:       Loose Papers.

File:       Tacoma Effluent Study - Benjamin and Mesagno 1/2/80.

FILE DRAWER NINE

File: Johnston, J.W. 1971 (NPDES Permit Application June 1977). Documents pertaining to same and permit itself (exp. 10/1/80).

File: Air emission monitoring particulate and sulfur gases 9/20/72.

File: Critical dates Air and NPDES Spring of 1977.

File: Sanitary Sewers 10/78, 1/75, 77 and 76 data critical dates air and NPDES Fall-Winter 1977.

File: DOE Test methods; transmittal letter re: test methods 1/76; NWPPA - Tech and air committee - proposed litigation over opacity regs 2/76.

File: Pollution correspondence - Emery, Cashen, DOE 4/74. - Mixture - NPDES, TRS, No. 4 Elec. Precip., Lime Kiln, Sewers.

File: 5/17/74 Emery to Henry re: compliance test data Ducan scrubbers - hog fuel PSAPCA.

File: Solid waste disposal system 6/75.

File: Hazardous wastes 1977.

File: Tacoma, Kraft - History Jox Assessment.

File: Solid Waste Disposal - Tacoma Kraft documents re same. 1975-1978.

File: Loose Papers.

File: Monitoring Program 1977 WAC 173-405-071(3) and (6). and same as loose above.

File: Air emission summary (1974) 1975 (no H.F.).

File: Venturi (outfall).

File: NPDES permit WA 000104-0 Boise Cascade Steilacoom and PCHB stip and order ( No. 706).

File: NPDES permit - ITT Rayonier Port Angeles.

File: NPDES permit Crown Z PCHB No. 1039 stipulation Port Angeles.

File Drawer Nine (continued)

File: EPA suit - Puget Sound Mills 1977 NOV's to B.C., Crown Z, Scott, ITT Rayonier, etc.

File: NPDES permit WA 000092-2 Crown Z - Port Townsend

File: NPDES permit Georgis Pacific, Bellingham.

File: NPDES permit Scott, Everett.

File: Water permit application July 1970 (Interrog 6).

File: Industrial Waste Discharge Permit - 1970.

File: Misc. Environmental correspondence 1973, 1976, 1977

File: Docket DE 79-139 spill collection 1979.

File: Energy and H2O conservation 1979.

File: Ambient monitors H-P 5840 reporting gas chromatograph 1979-1980.

File: Non-attainment areas DOE WST Air Monitoring Data 1976 (May 1977) 1978 meetings DPA, NWPPA, Seattle Chamber State of WA, DOE - summary of Air Pollution Control Program (approx. 1978).

File: Docket DE-79-428 June 1979 noncondensable gas

File: Docket DE 79-450 and 459 Sept. 1979.

File: Docket DE 79-1-39, March 1979.

File: Docket DE 79-275, May, 1979.

File: NPDES permit T3598 1977.

File: Loose Papers - Misc. Water.

File: §126 Air Pollution sources SR not included.

File: EKONO - ENERGY Report 1977 (March)

File: Loose Papers - Title 40 (CFR) from Fed Reg Vol 36, No. 228 Thursday 11/25/71.

File Drawer Nine (continued)

File: Loose Papers.

File: EPA Sect. 113/114 citation 17 Mar. 1981 incinerator.

File: YSW survey, etc. 1982 (mill worker etc. morale study)  
Yankelovich, Shelly and White.

File: Opacity procedure EPA, PSAPCA (Method 9) 1975  
EPA visible emission inspection procedures prepared  
by EPA (Malmberg)  
1975 Guidelines for evaluation of visible emissions  
Missen and Stein Pacific Environmental Services, Inc.  
Santa Monica, CA.  
Esp. #5 problems associated with condensed water plumes.

File: 1982 (March) Tacoma NPDES permit TSS variance v.  
water use reduction program.

File: March 12, 1982 Fed Reg. 10971 §311 Oil and Hog Waste.

File: Dec. 3, 1979 EPA Guidelines Est. Test procedures  
Federal Register.

File: Fed. Reg. Wednesday Aug 25, 1982 PCHB final rule  
at 37342.

File: Fed. Reg. Thurs. Oct. 21, 1982, PCHB 40 CFR Pt. 761,  
final rule.

File: Loose Papers.

FILE DRAWER TEN

St. Regis staff report that all of file drawer ten is quality control data on paper and pulp - nothing respecting the environment.



FILE DRAWER ELEVEN

File: Loose Papers - Copy of Ch. 173-201 WAC.

File: N.C.S.I. Survey 1954

File: Bulletin on Olympia hearing 1/5/67.

File: Washington Pollution Control Commission meeting  
1967 information bulletin and notes.

Files: Loose Papers - 1951.

File: Yearly averages on sewer losses 1957, 60, 61, 62.

File: Loose Papers.

File: W & E Water and Pollution Report 3/28/62.

File: W & E Waste discharge permit 1957-1962.

File: (Gray) Confid. report on pulp mill pollution in  
Commencement Bay by Herman R. Amkey November 1954.

File: (Black) 1957 Memo: re: proposed monitoring system  
Commencement Bay and Puyallup River.

File: Washington State Pollution Control Commission meeting  
1966.

File: Annual pollution report comparison 1962-1970.

File: Air Pollution Systems Pilot scrubbers 1975.

File: Total sulfur TRS noncond. 67, 68, 70, 71.

File: Secondary system NPDES 12/74.

File: PARAMETRIX BIOASSAY 1975.

File: Receiving H<sub>2</sub>O Biosurveys 1975.

File: Odor-Rhodia (masking) 1960.

File: P.S. Regional Assessment Study - Preliminary  
draft June 1975 - water.

File: CEILCOTE (IWS) Ionizing wet scrubber 1976.

File: Woodroom clarifier evaluation 1970.

File Drawer Eleven (continued)

File: Puget Sound Assessment PL92-500 Volume 1  
Stevens, Thompson & Runyan, Inc. 1975 (water)

File: Environmental Awards Program. 1975.

File: Loose Papers.

File: 1960 Report on receiving water characterization study.

File: Loose Papers.

File: Legal environment copies of cases (1975 and older).

File: Effluent electrolysis (stralser) liquid waste treatment.

File: Effluent and emission requirements - 1973.

File: Process weight 1971.

File: Violations 1970 (1974 and 1975) hogged fuel.

File: Sept. 1970 Air emissions Sept, 1970 data for  
#2, 3, 4 and 5.

File: Dec. 1970 - air emissions report Dec. 1970 data  
for #2, 3, 4 and 5.

File: May 1970 air emissions report #2, 3, 4, 5

File: Air emission report Sept. and Oct 1969.

File: 1969 air emissions #2, 3, 4, 5 October.

File: Celite 263 - August 1972 effluent reports, sewer  
and particulate does not include #2, 3, 4, 5.

File: Loose Papers.

File: Loose Papers.

File: Pollution Misc.

File: PARAMETRIX Study - J.O.P.A. 930 1978.

File: Attaining/maintaining air quality standards in the  
central Puget Sound region - A recommended Plan -  
published by PSAPCA Nov. 1978.

File: Kamy - displacement bleach plant 550 ADT/D (\_\_\_\_\_)

File Drawer Eleven (continued)

File: Kamyr - Displacement bleach plant - a literature review.

File: Kamyr - displacement bleach plant.

File: Kamyr - Oxygen delignification mass process.

File: Violations, etc. agency correspondence 1979.

File: #3 Cell 1979-1980 and EPA Del Green Assoc. (EZ recovery).

File: Violations agency correspondence 1978.

File: SO<sub>2</sub>.

FILE DRAWER TWELVE

File: Chemical costs and code assign.

File: Gen. Chemical Allied (water).

File: Betz - Acrolein replacement (slime control) 1976-1977.

File: Boeing - 1975 BTS services.

File: Buckman Lab - Re: cationic polymer and other water.

File: Calgon (Merek) 1975 feeders and slime control.

File: General Mills 1975 - improvement liner board.

File: PPG Fillers

File: Hercules - sizing emulsion, etc.

File: E.F. Houghton - defoam.

File: McKesson Chemicals - surfactants.

File: Nalco

File: Monsanto - dispersed rosin size 1974-1976.

File: Nalco - other chemicals 1975.  
1974 incl. Nalco 7250 for prevention of fireside  
deposits on No. 2 H.F.

File: National Starch 1973-1975.

File: West Pacific Supply Agency - Tom James.

File: BASF Wyandatte Corp. - Defoam

File: Report of material trial.

File: Pulp Chemicals Association - prod. statistics.

File: Chips 1975, 1976, 1977.

File Drawer Twelve (continued)

File: Chip sampling, class and moisture.

File: CO<sub>2</sub> (AIRCO).

File: Systems Defoamer usage.

File: Optical Brightener.

File: Permutit (water pollution).

File: Refinery spent caustic.

File: HCE liquor for NA<sub>2</sub> CO<sub>3</sub>.

File: Saltcake.

File: Lime.

File: Methanol.

File: PVA AIRCO Chem.

File: Spent sulphite liquor.

File: Tall Oil (recovery).

File: Tall Oil recovery 1961-2.

File: Tall Oil analysis 1963.

File: Tall Oil (conferences in 1974).

File: Turpentine (with operations manual) 1974-1978.

File: Liquid saltcake NW Petroleum 1974-1977.

File: Hinton Analysis or Tacoma Tall Oil 1971.

File: Water Rates, etc. 1966-1971-1973.

File: Scotch Ban 3M 1976.

File: Turpentine 1961-1968-1969-1976-1977.

File: Fabcon International Poly - coagulant.

File Drawer Twelve (continued)

File: WAC 402-19 Radioactive materials 1979.

File: New trials, etc (new chemical raw materials) 1976.

File: NAOCL.

File: Saltcake-Eastern Washington.

File: Chem Hazard forms.

File: H<sub>2</sub>O conservation - 1979.

File: Water conservation 1975.

File: American Cyanamid.

File: Anthraquinone 1980-1983.

File: CH<sub>2</sub>O Semian Borden Chemical.

File: Black Liquor.

File: (?) 180# Shean Headr failures.

File: Vanillin Black Liquor.

File: Loose Papers.

File: (?) Misc. (Emtg) Air Emissions Monitoring particulate sulfur bases.

File: Loose Papers.

FILE DRAWER THIRTEEN

File: 1977 PBX.

File: 1976-1977 Budget Proposals, etc.  
1976-1977 Proposal.

File: Conversion costs - Tacoma.

File: Loose Papers.

File: Budget (empty).

File: 1980-1981 Budget information.

File: Grade standards.

File: Pollution tax relief (1964-1966).

File: NCASI-USPHS ATMOSPHERIC Questionnaire 1968.

File: NCASI Questionnaire on power bailers 1969.

File: 1978-1979 Budget.

File: 1st quarter report 1976 and 9 other files empty.

File: Loose Papers.

File: 1979 statistics (hours and costs).

File: Olson Landfill 1978 (lawsuit above),

File: Interrogatories - Sweeney & Hill v. Olson, St. Regis.

File: Sys. Plan (Budget).

File: Civil Penalties 4896 and 4897 CE 3 furnace.

File: Loose Papers.

File: Off Quality - Monetary (1973) 1974-1975-1976.

File: Loose Papers.

FILE DRAWER FOURTEEN

Pocket File: 1980 emissions data does not include H.F.  
2, 3, 4, 5.

Pocket File: 1979 " "

Pocket File: 1979 " "

Pocket File: 1981 " "

Pocket File: 1982 " "

File: Diffuser outfall 1977 and 1978 Rec. H<sub>2</sub>O characterization.

File: Loose Papers

File: Hazardous wastes 173-302 WAC and Fed Reg.

File: Lime MUC oxidation 1979.

File: Six months August - 1980 air statistics (H.F. 2, 3, 4,  
5 not included).

File: Permits.

File: Loose Papers.

File: NPDES 1977.

File: 1984 BCT Control, in Plant approach (sewers).

File: Docket DE 81-708 CE 3 (TRS) 9/9/81.

File: Docket DE 80-588 No. 3 recovery and precipitator and  
#4 precip.

File: DOE air emission inventory 1979 (H.F. 2, 3, 4, 5  
not included).

File: PSAPCA Source emission inventory (1972- ).

File: 1984 BCT calculations (water effluents).

File: Loose Papers.

File: Docket DE 78-109 Lime Kiln, lime mud, No H.F.  
#2, 3, 4, 5.



File Drawer Fourteen (continued).

File: January 1983 BOD<sub>5</sub> violations.

File: January, 1983 Effluents

File: Environmental general (1974-1975).

File: NPDES Permit (1979-1982)

File: NPDES permit WA 000-085-0 and Variance report (TSS).

File: Effluent February 1983

File: Docket DE 82-295 NCG-Kilns.

File: Docket HO (sludge inceneration) Q. analysis and waiver request (1975 and 1978).

File: Effluent March 1983

File: Loose Papers.

File: Effluent April 1983

Loose: Operations Manual Fuel Oil and Vanillin Black Liquor Unloading - 5/9/83.

File: Effluent May, 1983

File: Loose Papers.

File: Effluent, June 1983 .

File: Effluent, July

File: Effluent, August

File: Loose Papers.

File: Loose Papers.

File: Exec. Safety Committee (1980-1981).

File: Loose Papers.

File: Upset log February 1983.

File: Loose Papers.

FILE DRAWER FIFTEEN

File: Recovery boiler startup (1961).  
File: Calgonite Boiler boilout (1961).  
File: F&DA Amendment (1958).  
File: FDA Clays, etc. 1959.  
File: Color Matches 1960.  
File: APPA - 1958.  
File: FDA - 1964, 1958.  
File: FDA - Status of Hercules Products 1963-1969.  
File: Food Additives Seminars 1965.  
File: Loose Papers.  
File: FDA information from suppliers 1960.  
File: FDA information - St. Regis 1959-1960.  
File: Process Engineering 1975-1977.  
File: Analytical Data - LAB rpts. 1975-1977.  
File: West Nyak pre-1975 (customer) trial run data.  
File: W & E - monthly report to State Pollution Commission  
1061-1965.  
File: Monthly report to State Pollution Control Commission  
(HTR) 1956-58 1956-1961.  
File: Receiving Water Survey 1966.  
File: Receiving Water Survey 1962.  
File: W & E State Effluent Permit 1962.  
File: Receiving Water Surveys 1963-1965.  
File: Misc. reports Pollution 1955-1958 (Public Hearing  
statements, etc.).

File Drawer Fifteen (continued)

File: Loose Papers.

File: Blosser, Russ (special data) 1968 Receiving Water Survey.

File: Effluent Data Air and H<sub>2</sub>O Survey 1969-1970.

File: Sanitation - Septic Tanks, Sanitary Sewers, etc. 1956.

File: Dept. of Ecology NPDES, receiving water, lime kiln tax credits (1974-1977) DOE tests - Water.

File: Deposits 1962-1967.

File: Effluent Color Tests 1976.

File: Loose Papers.

File: Spruce Chips 1973.

File: American Sugar 1970 (and other dye suppliers 1970).

File: Pulp Analysis Procedure (older than 1975 est.).

File: B.O.D.<sub>5</sub> 1961-1965, Lab Reports 1970, 1972.

File: I.R. Paper (Insect Repellant Coating Paper) 1974.

File: EPA - Legal - Copies of law cases 1976 (and earlier).

File: Mercury in Pulp - Toxic substances 1971.

File: Color matches 1961, 1963, 1964, 1971.

File: 6% Stretch X-CO 1962, 1971.

File: Visits, Conferences, Trips, Other Mill information 1976.

File: Samples 1975-1977.

File: Radioactive Procedures and Material to 1977 (licenses).

File: Questionnaires - indexes, etc.

File: Visitors - Tours 1977.

File: EPA and Others.

File Drawer Fifteen (continued)

File: Energy mentions H.F. in passing 1975.

File: Laboratory Analyses 1973 and 1974.

File: STR Bulletins 1975.

File: Pulp - 1975 (make it for Phillipines).

File: Specifications (Policy, etc.) grocery bags, etc.

File: Pensacola Bleached Specification 1970 (1966).

File: Pulp Strength Curves 1960 1st and 2nd halves.

File: TOPCO 1963 Grocery Bag specifications - Complaint 1966 (Escliner).

File: Tensile Energy Absorption (TAPPI-Prepared) 1959.

File: Calibration of Instruments - Report Forms (blank).

File: Instron Training Program 1961.

File: National Motor Freight Classification Rule 200-1965.

File: Consolidated Freight Classification Rule 40 - 1965.

File: Adjustment Tables - Tensile v. Jear UUS48C (1958).

File: Complaints - Handling, etc. Policy 2/27/75.

File: Linerboard Test and Specs 1957.

File: Noise - 1977, Audio Dosimeter System Price.

File: Loose Papers.

File: Maintenance Procedures 1978 - Supervisors Seminar.

File: Tacoma Paper Testing Procedures 1958.

File: TRS Emissions and particulate emissions 1981 (1st 6 months) does not include #2, 3, 4, 5 HFB).

File: Loose Papers.

FILE DRAWER SIXTEEN

Current and exp. paper trials N/A.

FILE DRAWERS SEVENTEEN, EIGHTEEN AND NINETEEN

Very old files 1930's to 1950's.

FILE DRAWER TWENTY

Trial runs, procedure forms, etc.

FILE DRAWER TWENTY-ONE

File: 1977 and 1978 Goals - Monetary MBO Goals.

File: 1979 MBO Goals.

File: 1st Quarter 1979.

File: 2nd Quarter 1979.

File: Annual - JAX (Tech) 1978, 1972, 1974, 1976, 1977.

File: Annual - Pennsacola (Tech) 1976, 1972, 1973, 1974.

File: 3rd Quarter 1979.

File: 1979 Annual Report - Tech.

File: Annual - Ferguson - Tech.

File: Tech Dept. Annual Reports.

File: Annual Report 1962.

File: Annual Report 1959.

File: Annual Report 1960.

File: Annual Progress Report 1958.

File: 1963 Annual Report Operations.

File: 1964 " "

File: 1965 " "

File: 1966 " "

File: 1968 " "

File: 1967 Annual Report.

File: 1969 " "

File: 1970 " "

File: 1971 " "

File: 1972 " "



File Drawer Twenty-One (continued)

File: Duplicate R of O 1980 1st Quarter.

File: Mgr's Operations Eval 1973 Annual.

File: Mgr's Operations Eval 1974.

File: SR Annual Report 1949.

File: SR Annual Report 1950.

File: SR Annual Report 1951.

File: SR Annual Report 1952.

File: SR Annual Report 1953.

File: SR Annual Report 1954.

File: SR Annual Report 1856.

File: SR Annual Report 1957.

File: SR Annual Report 1958.

File: SR Annual Report 1959.

File: SR Annual Report 1960.

File: SR Annual Report 1961.

File: SR Annual Report 1962.

File: SR Annual Report 1963.

File: SR Annual Report 1964.

File: SR Annual Report 1965.

File: SR Annual Report 1966 x 2.

File: SR Annual Report 1967.

File: SR Annual Report 1968.

File: SR Annual Report 1969.

File: SR Annual Report 1970.

File: Loose Papers.

File Drawer Twenty-One (continued)

File: Loose Papers.

File: 1st Quarter 1980 - Tech. Dept. Report.

File: 1980 Budgeted and NB M.B.O. Goals 4/9/80.

File: Goals (10/17/79).

File: March Operating Statistics.

File: 1980 3rd Quarter.

File: 1980 Third Quarter Report - Tech. Dept.

File: 1980 Sept. Operating Statistics.

File: 3rd Quarter 1982.

File: 1982 3rd Quarter Report Tech. Dept.

File: 1982 Semi-Annual Report Tech. Dept.

File: 1982 Sept. Operating Statistics.

File: 3rd Quarter 1981.

File: 1981 Semi-annual Report - Tech. Dept.

File: Semi Annual Report 1980.

File: 1st Quarter 1981.

File: 1982 Annual Report.

File: 1st Quarter 1983.

File: 2nd Quarter 1981.

File: 2nd Quarter 1983.

File: Semi Annual Report 1982.

File: 1st Quarter 1982.

File: 1981 Annual Report.

FILE DRAWER TWENTY-TWO

File: Sulfur Gas Monitoring - Bartontitrator 1972 Keith Wadsworth.

File: Operating Manual for Primary Clarifier - Tacoma Kraft Mill Primary effluent Treatment and Collection Systems .

File: CE4-Training Manual 1973-4 Operating Manual and Blueprints.

File: Strong Black Liquor Oxidation System D.C. Johnson 1971 (x3).

File: H<sub>2</sub>O Balance, Pilot Tube info 1973-1974.

File: CE3 Scrubbers - Operating Instructions 1973.

File: Noncondensable Gas System Training Manual - Jansson 1972.

File: Precipitators - Wheelabrator Lurgi Electrostatic Precipitator 1971.

File: Kilns - 1968 Evaluation.

File: Pulp Screening - Diagram.

File: Evaporators - Chart.

File: Causticizing - Papers 1957-1961.

File: #2 KAMYR - Computer Control (Process Control Systems)

File: Chlorides in Pulp Mill System 1964-1967.

File: Oxidation Tower Efficiency 1956-1963 (Press articles).

File: Lime Kiln 1974, installation info (1959).

File: Flow Diagram #2 Evaporators w/Dearborn Chem lit.

File: Bleach Plant Flow Chart.

File: Peabody Scrubber Pilot Plant Study January, 1964 (lime kiln).

File: KAMYR Computer - Charts Etc. Accuracy Lit.

File Drawer Twenty-Two (continued)

File: Scrubbers CE3

File: Black Liquor Filters 1976 RAUMA-REPOLA.

File: Loose Papers.

File: RUE - Daily Steam Dist. generating, Paper Mill  
Prod and power Stats. Computer Program 1971.

File: Secondary Treatment B.O.D.<sub>5</sub> Testing Program Project  
75-100 1975.

File: Black Clawson Systems Technology - lit.

File: St. Joe Drainage 1972.

File: Moisture Meters, etc. 1971 (Scampro).

File: Loose Papers.

File: Converting Equipment 1975 - Vacuum pickup equip and  
performance.

File: Yield - Pulp Measurement - High Yield Pulping 1972,  
1975, 1976, 1977.

File: KAMYR Computer 1974 Fuxboro Co. Digester Project.

File: Chloride Removal - 1963, 1964.

File: H<sub>2</sub>O Conservation Plan - Ferguson 1977-1978.

File: Consistency Control Manual - 1975 and 1967.

File: Process Engineering 1973-1974 # of Tech Reports  
on topics above and other.

File: Pyrolysis Combustion - Recovery Alternatives -  
published paper (date?).

File: Wet End Starch - Spray Application 1970.

File Drawer Twenty-Two (continued)

File: Tacoma Sawdust - data on samples 1969 and 1973  
(lube for sand).

File: Cooling Towers - lit from Westinghouse 1973.

File: Long Range Programs Mill.

File: Loose Papers - Sapoxal Oxygen Bleaching 1978.

File: Secondary Fiber Pulping System 1974 Black Clawson Co.

File: Lime Kilns - Fuller Lit (calcining) 1974.

File: Computer Control Recovery and Lime Kiln  
2 Finnish Papers on Post 1976  
Purdue Program Proposal 1978.

File: Black Liquor Filters 1976 (Tests).

File: EKONO, INC. Consulting Engineers 1977 - Energy  
Conservation Study JOPA 876-Exp (Phase II).

File: Energy 1977 EKONO - Prelim and Misc. re: above.

File: Black Liquor Oxidation 1976 - Reports blue prints,  
job Purchase Order.

File: Process Eng. 1978 - Stock screening Project.

File: Clupak Unit Flow Diagram.

File: Clupak Unit 1969 - Technical Manual 1961.

File: Condensing Rate #2 MACH 1979  
Data, blueprints, basis wt. analysis, Dryer survey.

File: Loose Papers - Water Pollution.

File: Size Emulsifier Inspection Reports 1956 and 1966.

File: Hercules Size Emulsifier and Mitton Ray Rosin  
Emulsification System 1960.

File: Hercules Model 3 Emulsifier 1966.

File: Hercules Emulsifier No. 3 and No. 2 1960-1965  
Operating Instructions Model 3.

File Drawer Twenty-Two (continued)

File: BLO<sub>2</sub> - Tacoma (Oxygen Black Liquor Oxidation) 1977-1978.

File: Oxygen/Ozone - Grace (Davison Chem) Lit. and Airco.

File: Black Liquor Oxidation O<sub>2</sub> 1975.  
CE Project No. 30-123-19<sup>2</sup> Secondary Wastewater treatment system Oxygen Producing Facilities for Waste Water Treatment and Black Liquor Oxidation - corresp and lit.

File: SBLO (Black Liquor Oxidation) 1970-1971 (1975),

File: Paper Mill Hot Water System July 1978.

File: Paper Mill Chest Capacities.

File: Loose Papers.

File: Meeting of Washington Pollution Control Commission Olympia 1960.

File: Loose Papers.

File: 1972 Jax, Fla. Min. Wastewater Program.

File: Loose Papers -1973 Condensate Polisher explan rept. Blueprint.

File: Westinghouse Instruction Book - Probe Type Oxygen Analyzer 1978.

File: Loose Papers.

File: Paper Mill Chem Systems 12/76.

File: Quick Conditioner Paper Mill Lab 1960 w/blueprints.

File: Loose Papers.

File: No. 4 Recovery Computer 1978 Project Report.

File: Loose Papers.

File: -Bibliography Wet Strength of Paper 1977.

File: Monsanto lit re: size press pick up.

File Drawer Twenty-Two (continued)

File: Wet strength tables 1980.

File: Stmt. for Hearing o Feb. 28, 1967 (WA Poll. Cont.  
Commission Water Quality Standards).

File: Operating and Service Manual Model  
SSR-72 Solid State Refractometer (Electron Machine  
Corp).

File: Loose Papers.

File: Forum on Kraft Recovery Alternatives - Institute  
of Paper Chem.

File: Accu-Ray 1180 Operator Manual.

File: " " 4200 " (KAMYR)

File: Loose Papers.

FILE DRAWER TWENTY-THREE

File: Loose Papers.

File: Hogged fuel Boiler Scrubbers - Operations Manual 1972.

File: Loose Papers.

File: Book #1, Plant Description and Operating Instructions by Superior Air Products Co. Job B-2840-Model 0-8000 Oxygen Plant.

File: Book #2B, Mechanical Specifications Air Chilling and Air Drying (same as above).

File: Book #2C, Mechanical Specifications Air Separation (same).

File: Book #2D, Mechanical Specifications Air Separation (same).

File: Book #2E, Mechanical Specifications Air Separation (same).

File: Book #2F, Operation, Maintenance and Mechanical Specifications Liquid Oxygen Storage; Vaporization (same).

File: Caustic Department/Lime Kiln Operating Manual 7/76.

File: Honeywell - Electronik 15 Service Manual 1973.

File: Joy Manufacturing Company - Centrifugal Compressor Erection, Operation and Maintenance Manual.



NO FILE DRAWER 13

File: Energy 1983.

File: Energy 1982.

NO FILE DRAWER (1)

File: Effluent Jan 1980  
Startup Log and NPDES Report 1/80

File: Feb. 1980 Same

File: March 1980 Same.

File: April " ".

File: May " ".

File: June " " .

File: July " ".

File: August " " .

File: September " " .

File: October " " .

File: November " " .

File: December " " .

File: Air Emissions Summaries 1974 Kilns 6 months 1975  
(does not include H.F. Boilers/Scrubbers).

File: Same 1975.

File: Same 1976

File: Same 1977.

File: Same 1978

File: Same 1979 (empty file).

NO FILE DRAWER D

File: Notice of Violation PSAPCA 1982.  
File: PSAPCA Request for Report and Report 1982.  
File: PCHB 81-75, 81-128, 81-158.  
File: PCHB 81-168 3/23/82 0932.  
File: North Scrubber 2/4/81 and 4/27/81.  
File: Civil Penalties 1981.  
File: Requests for Report 1981.  
File: Civil Penalties 1979  
File: Section 113/114 Hogged Fuel EPA X81-05-09-113.  
File: PCHB 82-135 2/15/83 0930 CE #4.

DESK FILES

File: Sept. 1983 Start Up Shut Downs Log.

File: Loose Papers.

File: H<sub>2</sub>O Conservation 1981 - minor ref to #2, 3, 4, 5  
(water used).

File: Off quality monetary 1982.

File: 1983 Proposed Budget  
1984 " ".

File: Energy (Gen, data, etc.) 1982.

File: Copy of WAC 173-490 Emission stds and controls  
for sources emitting VOCs.

File: 1983 R & M Shutdown (repair and maintenance).

File: 1982 Materials Trials.

File: XK752 Clay/Latex Psuedo #3 White XK792.

File: CE4 PPT. Maintenance History to EPA 6/82.

File: Offset (Air) Fugitive Dust Control Tacoma (URS -  
1981) Banked Emission Credits.

File: PSAPCA Request for Report and Reports 1983.

File: Civil Penalties 1983.

File: KDPC Reel Test Data 1982.

File: 1981 MBO Goals and 1982 (1983).

File: Notice of Violation PSAPCA 1983.

File: NCASI Transformer Survey PCB 1981.

File: Air Regulations 1982 Revisions 173-400 . . . 410  
K. Bennett's memo on policy on excess emissions  
during start up and shut down maintenance and  
malfunctions Sept. 28. 1982.

File: PSAPCA Registration Fee Litigation.

File: 1982 Air Emission Inventory EPC #35  
(PSAPCA letter CIPS litigation and other  
Registration info).

Desk Files (continued)

File: Commencement Bay Nearshore/Tideflats Cooperative Study 1983.

File: Operating Permits (literature on advisability of such a system).

File: Tacoma Effluent Study - T.O.D. 1981.

File: EPA Quality Assurance Testing 1983.

File: Loose Papers.

File: Scott Paper Co. Reel Test Data 1982.

File: Noncompliance Penalties 40 CFR Pt. 66 and 67 10/27/80.

File: Civil Penalties 1982.

File: Leatherback Specifications Bldg. BO 1982.

File: Reel Test Data Bemis.

File: Blox Keucher TOD 1982.